




3 1761 11713997 2



Government  
Publications



Digitized by the Internet Archive  
in 2023 with funding from  
University of Toronto

<https://archive.org/details/31761117139972>















31-0-20

5-20

CANADA  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

REPORT ON  
MANUFACTURES OF CANADA

1920

DEPARTMENTAL LIBRARY  
IN ECONOMICS  
UNIVERSITY OF TORONTO

-----+ + +-----

Published by Authority of the Hon. J. A. Rebb, M. P.,

Minister of Trade and Commerce.

+ + +

OTTAWA

1923



TABLE OF CONTENTS.

INTRODUCTION

TABLE

- 1 - COMPARATIVE STATISTICS OF MANUFACTURES 1919 AND 1920.
- 2 - PRINCIPAL STATISTICS OF MANUFACTURES BY PROVINCES, 1920.
- 3 - PRINCIPAL STATISTICS OF FORTY LEADING INDUSTRIES IN CANADA, 1920.
- 4 - PRINCIPAL STATISTICS OF MANUFACTURES FOR CANADA, BY GROUPS OF INDUSTRIES, 1920.
- 5 - MANUFACTURING STATISTICS OF PRINCIPAL CITIES AND TOWNS WITHIN PROVINCES, 1920.



DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY

OTTAWA, CANADA

---

Dominion Statistician: R. H. Coats, B.A., F.S.S.  
Chief, Census of Industry: J. C. Macpherson.

---

MANUFACTURES OF CANADA

1920.

Ottawa, February, 1923.- The Dominion Bureau of Statistics presents herewith a general review of the manufactures of Canada and the provinces and of the principal cities and towns in each province. The Statistics are for the calendar year 1920, and include (1) the number of plants reporting, (2) the capital invested, (3) the number of persons employed, (4) the amounts paid as salaries and wages, (5) the cost of raw and partly manufactured materials and (6) the value of goods manufactured and of work done, as set forth in a series of tables outlined on the opposite page.

COMPARATIVE STATISTICS OF MANUFACTURES, 1919 and 1920.

Table (1) is a presentation of the principal statistics of industry compared for the calendar years 1919 and 1920. From the column headed "increases" it will be observed that such increases have been general throughout the various items, ranging from 20.75 per cent in salaries to 0.13 per cent in the cost of fuel. The number of establishments increased from 38,344 in 1919 to 42,406 in 1920, or 10.6 per cent; capital investment, from \$3,230,686,368 in 1919 to \$3,439,527,495 in 1920, or 6.4 per cent; salaried employees, from 88,316 in 1919 to 89,108 in 1920, or 0.89 per cent and salaries from \$130,855,002 in 1919 to \$158,015,914 in 1920, or 20.75 per cent; wage earners rose in number from 594,118 in 1919 to 595,590 in 1920, or 0.25 per cent, and wages from \$558,580,707 in 1919 to \$656,396,763 in 1920, or 17.51 per cent; fuel costs rose from \$69,875,567 in 1919 to \$69,947,759 in 1920, or 0.13 per cent; miscellaneous expenses, from \$367,408,769 in 1919 to \$422,075,456 in 1920, or 14.88 per cent; the cost of materials rose from \$1,875,615,877 in 1919 to \$2,189,227,028 in 1920, or 16.72 per cent and the value of products, from \$3,520,731,589 in 1919 to \$4,019,371,869, or 14.13 per cent.



## COMPARATIVE STATISTICS, continued.

Salaries and wages, which in 1919 represented approximately 42 per cent of the value added by the processes of manufacture, rose to 44.5 per cent in 1920. Fuel and miscellaneous expenses amounted to 26.6 per cent of the value added by manufacture in 1919 and to 26.9 per cent in 1920. Interest on capital investment at 6 per cent represented 11.9 per cent of such value in 1919 and 11.3 per cent in 1920. The above percentages of the value added by manufacture in 1919 totalled 80.5, as against 82.7 in 1920, there remaining 19.5 per cent in 1919 and 17.3 per cent in 1920 for profits, discount charges, depreciation, and other unprovided for expenditures.

TABLE 1 - COMPARATIVE STATISTICS OF MANUFACTURES, 1919 and 1920.

Principal Statistics		1919	1920	Increase over 1919	
				Amount	Per Cent
Establishments .....	No.	38,344	42,406	4,062	10.6
Capital invested .....	\$	3,230,686,368	3,439,527,495	208,841,127	6.4
Employees on Salaries .....	No.	88,316	89,108	792	0.89
Salaries paid .....	\$	130,855,002	158,015,914	27,160,912	20.75
Employees on wages ...	No.	594,118	595,590	1,472	0.25
Wages paid .....	\$	558,580,707	656,396,763	97,816,056	17.51
Cost of fuel .....	\$	69,875,567	69,947,759	72,192	0.13
Miscellaneous expenses	\$	367,408,769	422,075,456	54,666,687	14.88
Cost of materials ....	\$	1,875,615,877	2,189,227,028	313,611,151	16.72
Value of products ....	\$	3,520,731,589	4,019,371,869	498,640,280	14.13
Value added by manufacture .....	\$	1,645,115,712	1,830,144,841	185,029,129	11.25

1 The omission of smelting from the tables of manufactures accounts for the small increase in the cost of fuel.

## PRINCIPAL STATISTICS OF MANUFACTURES BY PROVINCES, 1920.

Table 2 is a summary of the principal statistics of industry by provinces. Each province of the Dominion shows an increase in the gross value of production over 1919, as the following summary indicates:-

Provinces	P R O D U C T I O N		Increase in Production over 1919	
	1919	1920	Amount	Per Cent
Alberta .....	94,855,759	98,244,738	3,388,979	3.57
British Columbia .....	239,794,988	258,544,638	18,749,650	7.82
Manitoba .....	153,020,109	175,494,856	22,474,747	14.69
New Brunswick .....	100,005,605	113,627,815	13,622,210	13.62
Nova Scotia .....	140,125,095	163,059,099	22,934,004	16.36
Ontario .....	1,737,543,996	2,010,484,334	272,940,338	15.13
Prince Edward Island ....	6,869,584	6,981,908	112,324	1.63
Quebec .....	988,574,823	1,120,263,564	131,688,741	13.32
Saskatchewan .....	59,752,486	72,390,348	12,637,862	21.15
Yukon .....	189,144	280,569	91,425	48.33
CANADA .....	3,520,731,589	4,019,371,869	498,640,280	14.16

It will be observed that the province showing the largest increase was Saskatchewan, with 21.15 per cent, and the lowest, Prince Edward Island, with 1.63 per cent, whilst the total percentage increase for the Dominion was 14.16.

Ontario was, however, the premier manufacturing province in 1920, having produced over 50 per cent of the total value of manufactures in the Dominion, while Quebec is second with a little less than 28 per cent. The Western Provinces were next in order with 15 per cent, and the Maritime Provinces, last, with 7 per cent.



TABLE 2 - PRINCIPAL STATISTICS OF MANUFACTURES BY PROVINCES, 1920

Provinces	Estab- lish- ments	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials \$	Value of Products \$
			Number	Salaries \$	Number	Wages \$		
CANADA	42,406	3,439,527,495	89,108	158,015,914	595,590	656,396,763	2,189,227,028	4,019,371,869
Alberta .....	1,983	60,391,420	2,360	4,032,518	11,956	14,863,656	60,565,256	98,244,738
British Columbia ...	2,673	224,422,659	4,825	9,155,725	36,067	48,236,796	133,930,354	258,544,638
Manitoba .....	1,858	118,461,724	4,248	7,650,840	24,439	31,339,327	99,671,088	175,494,856
New Brunswick .....	1,560	109,392,558	1,910	3,010,046	19,175	18,251,098	62,663,906	113,627,815
Nova Scotia .....	2,440	148,194,530	2,476	3,697,378	25,866	27,343,586	90,206,891	163,059,099
Ontario .....	17,538	1,703,454,289	47,283	83,348,008	286,909	324,021,200	1,122,042,037	2,010,484,334
Prince Edward Island	525	3,153,412	210	163,005	1,413	956,838	4,399,849	6,981,908
Quebec .....	11,518	1,030,570,065	24,290	44,513,066	180,817	179,390,207	575,696,434	1,120,263,564
Saskatchewan .....	2,298	40,019,258	1,492	2,427,053	8,902	11,907,385	39,978,415	72,390,348
Yukon .....	13	1,467,580	14	18,275	46	86,670	72,798	280,569



## PRINCIPAL STATISTICS OF FORTY LEADING INDUSTRIES, 1920.

Table 3 presents statistics of the forty leading industries in the Dominion showing (a) the number of establishments reporting, (b) the amount of capital invested, (c) the cost of raw and partly manufactured materials (d) the gross value of products, (e) the number of salaried persons employed, (f) the amount paid them in salaries, (g) the number of employees on wages, exclusive of outside pieceworkers and (h) the amount paid them in wages. The totals for each of the above items are given for the forty leading industries and also the totals for all industries, together with the percentages which the forty industries bear in relation to the totals for all industries. From these percentages it will be seen that while the number of establishments comprised within the "forty" industries represented but 54.21 per cent of all industries, yet in respect of the other statistical data they represented from 72 to 78 per cent, or practically three-quarters of that for all industries.

TABLE 3 - STATISTICS OF FORTY LEADING INDUSTRIES IN CANADA, 1920.

Industry	Estab- lish- ments No.	Capital Invested \$	Cost of Materials \$	Value of Products \$
Slaughtering & meatpacking ...	86	84,283,306	170,916,888	240,544,618
Flour and grist mill products	1,332	58,038,927	205,746,546	239,255,461
Pulp and paper .....	100	347,353,333	84,208,688	236,420,176
Lumber, lath & shingle mills	3,481	199,651,570	103,077,980	207,163,577
Foundry & machine shop products	792	149,323,908	53,976,167	140,422,057
Sugar refineries .....	8	46,499,876	113,967,945	131,772,715
Building and construction ....	1,543	47,694,574	40,424,044	126,991,068
Butter and cheese .....	3,133	25,386,106	106,211,588	125,816,656
Rolling mills and steel furnaces .....	41	90,632,751	46,371,695	101,616,104
Automobiles .....	17	52,906,596	67,157,045	101,465,846
Cottons .....	31	76,413,703	53,402,723	92,490,002
Rubber goods, (including rubber footwear) .....	35	58,370,039	41,838,200	80,717,308
Car repair shops .....	157	-	26,682,339	70,568,913
Boots and shoes (leather) ....	173	34,347,026	40,807,366	66,817,174
Electric light and power .....	819	448,273,642	-	65,705,060
Clothing, men's, factory .....	196	37,920,004	34,539,605	62,066,487
Bread and other bakery products .....	1,769	23,612,654	38,239,135	61,800,633
Petroleum .....	9	50,098,209	37,347,086	57,675,576
Hosiery and knit goods .....	128	42,113,393	34,238,894	56,736,545
Tobacco, cigars and cigarettes	90	33,966,154	17,826,141	55,125,617
Mechanical apparatus .....	96	68,519,262	26,812,329	55,120,964
Shipbuilding and repairs .....	32	62,882,939	20,952,217	54,825,696
Disculs and confectionery ...	400	31,217,581	30,339,803	54,658,853
Printing and publishing .....	1,007	40,146,679	15,597,082	53,841,603
Lumber products .....	810	44,138,873	29,624,883	53,365,586
Cars and car works .....	11	61,883,890	23,756,470	53,313,260
Clothing, women's, factory ...	274	22,750,222	30,956,445	52,874,568
Agricultural implements .....	80	101,107,516	20,474,379	44,073,847
Leather, tanned, curried and finished .....	100	29,739,987	30,370,591	41,440,602
Printing and bookbinding .....	670	28,248,490	14,015,292	38,826,979
Plumbing, heating & tinsmithing	2,159	20,628,185	20,029,384	38,508,784
Furniture & upholstered goods	320	51,181,219	13,206,583	33,606,637
Food preserved .....	940	20,512,265	19,363,029	30,900,147
Food goods .....	66	22,765,128	14,720,413	28,018,565
Iron and ferro-alloys ....	9	29,128,967	20,290,760	26,946,433
Paints and varnishes .....	42	20,520,851	15,918,557	26,939,476
Shoes and caps .....	230	16,594,952	12,015,687	22,688,674
Motors and engines .....	55	32,642,532	9,391,832	22,614,951
Clothing, men's, custom .....	1,620	11,516,424	9,966,713	20,826,426
Furnishing goods, men's .....	62	14,405,583	12,920,395	20,555,619
TOTALS FOR FORTY LEADING INDUSTRIES .....	22,992	2,629,560,370	1,715,234,329	3,095,125,413
TOTALS FOR ALL INDUSTRIES ..	42,406	3,432,527,495	2,189,227,028	4,019,371,869
PERCENTAGE OF 40 INDUSTRIES TO TOTAL OF ALL INDUSTRIES	54.21	76.44	78.35	77.00





## PRINCIPAL STATISTICS BY GROUPS OF INDUSTRIES, 1920.

Table 4 presents for the first time a grouping of industries according to chief component materials. Statistics are shown for each of the ten groups, and for the totals of all the groups. The vegetable products group stands first in point of production and in the cost of materials, but occupies a lower position in respect of the other statistical data. Wood and paper are in second place in point of production, and first in capital investment. Iron and steel products occupy third place in total production, second in amount of capital investment, but take first place with regard to the number employed and the payments for salaries and wages. The rank of the remaining industrial groups is shown in the following summary:-

Industrial Groups	RANK OF INDUSTRIAL GROUPS IN:-						
	Estab-lish-ments	Capital	Salaried Employees		Wage Earners		Cost of mater-ials
			No.	Sal.	No.	Wages	
Vegetable products .....	5	4	3	4	5	5	1
Animal products .....	3	6	4	5	6	6	2
Textile products .....	4	5	5	3	3	4	5
Wood and paper products ..	2	1	1	1	2	2	4
Iron and steel products ..	6	2	2	2	1	1	3
Non-ferrous metals and their products .....	10	10	8	9	7	7	9
Non-metallic mineral products .....	8	8	10	10	9	9	7
Chemicals & allied products	9	9	9	8	10	10	8
Miscellaneous industries .	7	3	7	7	8	8	10
Construction, hand trades and repairs .....	1	7	6	6	4	3	6

## NET VALUE OF PRODUCTION

The net value of production, or the value added by manufacture for each of the groups was as follows:-

Vegetable products .....	\$ 235,709,433
Animal products .....	152,395,130
Textile products .....	192,984,741
Wood and paper products .....	415,784,276
Iron and steel products .....	365,473,097
Non-ferrous metals and their products .	52,847,178
Non-metallic mineral products .....	54,405,062
Chemicals and allied products .....	65,183,212
Miscellaneous industries .....	95,230,988
Construction, hand trades and repairs .	199,531,724

TOTAL VALUED ADDED ..... \$1,830,144,841

TABLE 4 - PRINCIPAL STATISTICS BY GROUPS OF INDUSTRIES, 1920.

Industrial Groups	Estab-lish-ments No.	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials \$	Value of Products \$
			Number	Salaries \$	Number	Wages \$		
Vegetable products.....	4,233	396,305,898	10,988	18,926,082	61,872	57,306,640	539,318,609	775,028,042
Animal products.....	4,823	221,792,457	10,410	15,023,357	38,277	39,268,249	400,496,354	553,491,484
Textile products.....	4,523	321,750,003	9,656	19,463,114	90,032	74,494,289	272,695,211	465,679,952
Wood and paper products..	7,867	772,686,812	18,508	32,813,563	125,223	137,796,897	308,282,232	724,066,508
Iron and steel products..	1,690	612,904,322	14,873	29,262,033	131,331	176,152,516	349,642,666	715,115,763
Non-ferrous metals and their products....	324	109,382,033	4,309	7,227,211	18,953	20,668,132	48,434,120	101,281,298
Non-metallic mineral products.....	866	143,681,810	2,562	4,136,749	16,208	19,546,943	74,200,407	128,605,469
Chemicals and allied products.....	464	122,123,730	3,714	7,241,630	13,939	14,951,791	62,644,608	127,827,820
Miscellaneous industries	1,421	500,132,585	8,676	9,973,008	18,260	20,092,376	25,121,152	120,352,140
Construction, hand trades and repairs.....	16,190	209,337,845	7,412	12,949,117	81,595	96,118,930	108,391,669	307,923,393
TOTALS	42,406	3,439,527,495	89,108	158,015,914	595,590	656,396,763	2,189,227,028	4,019,371,869



## MANUFACTURES OF CANADA, 1920.

## MANUFACTURING STATISTICS OF PRINCIPAL CITIES AND TOWNS BY PROVINCES, 1920.

Table 5 contains the statistics for the principal manufacturing cities and towns of the Dominion, arranged by provinces. The value of the manufactured products in the urban localities of the Dominion, having 750 population and upwards, in 1920, amounted to \$3,338,991,598 and represented over 83 per cent of the total gross value of all manufactured products. The cities of Montreal and Toronto alone contributed in almost equal amounts 29.4 per cent of the total gross value of production in the whole Dominion.

A summary of the principal statistics in urban localities is given below, according to (a) cities and towns having 5,000 population and over, (b) towns and villages from 1,500 and up to 5,000 population and (c) towns and villages having a population of 750 but less than 1,500.

Principal Statistics	Cities & towns having 5000 pop. and upwards	Towns and villages from 1500 to under 5000	Villages having 750 pop. and under 1,500	Total urban localities
Establishments .. No.	18,304	5,179	3,204	26,687
Capital ..... \$	2,309,236,727	441,430,669	72,087,424	2,822,754,820
Employees ..... No.	515,002	84,320	17,765	617,087
Salaries and Wages \$	614,565,515	92,426,339	17,267,595	724,259,449
Cost of Materials \$	1,430,017,096	120,921,635	67,589,242	1,668,527,973
Gross value of Products .. \$	2,734,945,161	448,181,250	105,865,187	3,338,991,598

Assuming that the remaining statistics represent those of the rural localities of the Dominion, the standing as to rural and urban in the manufactures of Canada would be as follows:-

Statistics	Urban	Rural
Establishments ..... No.	26,687	15,719
Capital ..... \$	2,822,754,820	616,772,675
Employees ..... No.	617,087	67,611
Salaries and Wages ..... \$	724,259,449	90,153,228
Cost of Materials ..... \$	1,668,527,973	520,699,055
Gross value of Products ..... \$	3,338,991,598	680,380,271

TABLE 5 - MANUFACTURING STATISTICS OF PRINCIPAL CITIES AND TOWNS BY PROVINCES

1920.

Cities and Towns	Population 1921	Establishments	Capital	Employees	Salaries & Wages	Cost of Materials	Value of Products
		No.	\$	No.	\$	\$	\$
<b>ALBERTA</b>							
Calgary .....	63,305	332	26,151,225	5,670	7,828,482	22,384,770	37,214,562
Edmonton .....	58,821	306	17,753,619	4,720	5,981,330	19,611,249	31,939,693
Lethbridge .....	11,097	85	4,203,764	673	955,522	1,672,613	3,650,847
Medicine Hat .....	9,634	77	5,987,772	839	1,141,278	9,615,424	12,178,212
Redcliffe ...	1,137	12	2,138,286	324	414,417	397,194	1,440,174
<b>BRITISH COLUMBIA</b>							
Vancouver ...	117,217	1,065	85,804,549	24,674	24,303,737	51,482,786	98,689,520
Victoria .....	38,727	333	19,300,586	2,719	3,254,090	6,987,948	15,822,037
New Westminster ..	14,495	111	6,903,431	1,792	2,435,919	7,648,396	13,188,776
Nanaimo .....	9,088	61	766,389	405	375,034	535,865	1,258,793
North Vancouver ..	7,652	27	1,780,561	958	1,442,361	1,361,263	3,571,432
Prince Rupert .....	6,393	45	5,645,396	1,063	1,514,508	2,400,450	4,327,126
Nelson .....	5,230	53	1,271,643	380	518,763	520,303	1,347,728
Karloops .....	4,501	46	729,353	292	407,563	378,367	1,043,635
Fernie .....	4,343	28	1,732,228	242	344,624	926,892	1,691,684
Kelowna .....	2,520	40	1,109,855	259	301,260	708,912	1,225,557
Rossland .....	2,097	13	5,122,963	74	128,784	73,768	912,922
<b>MANITOBA</b>							
Winnipeg .....	179,087	901	99,040,529	23,351	33,154,447	70,286,035	133,124,442
Brandon .....	15,397	98	4,493,658	879	1,168,909	4,353,236	6,962,165
St. Boniface ..	12,821	31	4,771,824	830	1,036,764	12,664,205	15,645,051
Portage la Prairie ...	6,766	36	1,066,831	330	390,135	3,337,655	4,147,373
Transcona .....	4,185	3	342,582	2,047	2,902,536	2,422,654	4,798,405
Dauphin .....	3,885	40	549,798	246	314,852	543,252	1,034,026
Selkirk .....	3,726	10	1,264,044	399	512,055	641,240	1,565,769
Souris .....	1,710	14	682,400	118	164,328	808,507	1,130,270
<b>NEW BRUNSWICK</b>							
St. John .....	47,166	302	15,814,282	4,630	4,693,198	8,621,966	17,895,292
Moncton .....	17,488	90	9,589,975	3,061	3,727,278	3,862,465	8,888,553
Fredericton ..	8,114	65	3,149,344	893	855,751	2,129,703	3,801,683
Campbellton ..	5,570	27	5,295,234	840	969,003	1,763,442	3,373,311
Edmundston ...	4,035	14	2,353,448	563	875,492	1,766,023	5,207,702
St. Stephen ..	3,452	40	4,341,459	952	856,786	8,973,066	6,250,947
Bathurst .....	3,327	29	9,104,582	896	947,925	1,992,467	4,980,990
<b>NOVA SCOTIA</b>							
Halifax .....	58,372	315	25,484,900	7,171	8,548,917	8,910,997	25,593,326
Sydney .....	22,545	122	32,246,019	2,929	5,038,746	20,354,904	37,567,202
Amherst .....	9,998	71	11,435,925	2,267	2,636,217	6,458,422	10,839,717
New Glasgow ...	8,974	79	13,191,690	2,610	3,020,909	12,590,810	18,730,534
Sydney Mines ..	8,327	15	1,761,754	314	341,197	3,218,938	4,492,856
Dartmouth .....	7,899	42	9,008,043	1,581	2,015,674	3,012,630	6,074,577
Truro .....	7,562	64	3,249,871	1,080	1,018,071	2,460,750	5,027,798
Yarmouth .....	7,073	68	3,885,034	979	801,563	3,286,805	5,392,646
Windsor .....	3,591	28	1,939,696	357	269,893	846,731	1,448,689
Pictou .....	2,988	29	916,100	447	356,135	644,443	1,499,329
Trenton .....	2,844	4	881,349	321	366,516	670,125	1,344,653
Liverpool .....	2,294	31	3,598,718	400	351,671	454,575	1,142,905
Oxford .....	1,402	11	762,972	247	212,994	581,388	1,013,035



TABLE 5 - MANUFACTURING STATISTICS OF PRINCIPAL CITIES AND TOWNS, continued.

Cities and Towns	Population 1921	Establishments No.	Capital \$	Employees No.	Salaries & Wages \$	Cost of Materials \$	Value of Products \$
<b>ONTARIO</b>							
<b>Cities</b>							
Toronto ....	521,393	5733	453,264,134	106,650	132,917,237	314,099,886	583,969,742
Hamilton ...	114,151	790	142,051,013	30,454	39,712,059	81,956,053	167,190,671
Ottawa .....	107,843	552	49,519,680	11,122	12,810,712	33,936,936	57,708,922
London .....	60,959	464	36,089,913	11,214	12,300,456	24,820,936	48,888,187
Windsor .....	38,591	204	17,020,223	3,918	5,853,358	13,038,575	23,164,856
Brantford ..	29,440	218	54,480,761	9,003	11,162,862	22,077,879	41,317,823
Kitchener ..	21,765	216	27,452,571	8,235	9,073,859	20,698,220	43,095,584
Kingston ...	21,755	174	13,267,416	2,454	3,555,403	4,455,207	8,949,226
Sault Ste. Marie ....	21,092	125	50,222,885	3,488	6,046,658	20,697,880	38,274,952
Peterborough	20,994	172	27,904,553	6,302	6,694,118	25,148,511	38,013,285
Ft. William	20,541	85	15,027,737	2,601	2,218,106	9,166,328	13,707,742
St. Catharines	19,881	179	18,326,454	4,608	5,872,608	9,552,572	20,778,763
Guelph .....	18,128	170	15,078,034	3,388	5,279,391	10,175,666	19,800,432
Stratford ...	16,094	137	8,978,221	3,331	4,546,491	3,255,640	15,215,725
St. Thomas ..	16,026	123	5,021,667	2,671	4,007,586	7,072,905	12,890,978
Pt. Arthur ..	14,886	59	11,819,002	1,705	2,330,297	2,298,532	7,457,816
Sarnia .....	14,377	89	25,500,268	5,259	4,290,163	18,620,147	33,222,301
Niagara Falls	14,764	133	28,352,773	3,409	5,054,105	6,835,873	23,230,696
Chatham .....	13,256	120	10,304,398	2,302	2,624,110	11,558,285	17,260,150
Galt .....	13,216	141	14,319,589	4,061	4,751,520	9,428,495	18,436,901
Belleville ..	12,206	101	2,949,933	866	853,305	1,541,305	3,404,154
Owen Sound ..	12,190	101	5,100,249	1,875	1,678,975	2,816,446	6,149,898
Woodstock ...	9,935	120	7,738,472	2,150	2,004,192	6,846,661	9,875,916
Welland .....	8,654	80	22,053,800	3,532	4,021,319	15,096,865	26,285,060
<b>Towns</b>							
Oshawa .....	11,940	78	24,197,710	4,094	4,914,401	25,667,544	36,061,962
North Bay ...	10,692	53	9,365,794	1,408	2,271,108	2,058,301	5,448,704
Brockville ..	10,640	81	4,829,936	1,263	1,300,275	4,766,334	7,522,113
Pembroke ....	7,375	61	4,602,063	1,255	1,400,091	3,420,622	6,261,481
Cornwall .....	7,419	79	11,270,622	2,148	2,032,053	4,874,925	10,175,519
Walkerville ..	7,059	57	25,781,673	3,822	5,693,173	18,868,993	31,808,307
Waterloo ....	5,883	62	6,024,175	1,074	1,183,143	2,733,248	5,203,522
Ford .....	5,870	11	22,058,031	4,688	3,397,326	25,411,092	43,551,167
Hawkesbury ..	5,544	32	5,770,168	901	1,286,017	4,037,410	8,351,060
Preston .....	5,423	61	5,453,135	1,682	1,985,627	4,252,510	7,649,374
Ingersoll ...	5,150	52	4,932,636	922	1,088,704	3,882,331	6,036,463
Renfrew .....	4,906	59	4,321,565	1,324	1,038,336	3,004,066	5,730,875
Thorold .....	4,825	27	17,238,033	2,326	3,636,158	3,172,724	19,272,387
Paris .....	4,368	43	4,620,006	1,276	1,036,606	3,850,839	6,705,400
Goderich ....	4,107	47	1,989,246	417	382,732	5,789,417	7,264,367
Port Colborne ..	3,415	22	7,253,376	448	817,377	12,251,214	15,623,557
Wexford .....	3,166	28	7,754,118	877	906,053	1,998,739	4,021,010
Ft. Frances ..	3,109	25	6,998,911	716	1,194,749	2,931,047	8,434,294
New Toronto	2,669	11	18,518,194	3,361	4,066,341	15,796,405	23,128,912
Marritton ...	2,544	16	6,654,254	1,002	1,241,948	2,631,967	7,210,035
<b>PRINCE EDWARD ISLAND</b>							
Charlottetown	12,347	76	1,604,950	642	611,356	1,812,637	2,998,810

## MANUFACTURES OF CANADA, 1920.

TABLE 5 - MANUFACTURING STATISTICS OF PRINCIPAL CITIES AND TOWNS, continued.

Cities and Towns	Population 1921	Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Value of Products
QUEBEC		No.	\$	No.	\$	\$	\$
Montreal ..	618,506	2823	471,487,579	113,078	131,111,321	309,308,243	593,881,752
Quebec ....	95,193	443	12,021,102	11,422	9,143,586	25,229,092	45,121,279
Hull .....	24,117	70	17,314,736	3,023	3,010,503	7,681,380	16,623,648
Sherbrooke	23,515	134	22,212,093	5,394	5,569,655	11,068,153	22,513,034
Three Rivers ..	22,367	98	29,769,804	6,099	6,266,320	12,980,697	27,085,510
Westmount	17,593	13	1,480,716	359	467,345	938,045	1,811,898
Lachine ..	15,404	64	14,122,645	2,329	3,289,830	4,054,757	15,682,251
St. Hyacinthe	10,850	80	5,706,374	2,225	1,459,088	4,306,151	8,546,981
Shawinigan							
Falls ..	10,625	41	18,963,649	2,529	2,993,504	5,656,628	14,980,975
Levis .....	10,470	34	1,062,115	341	342,143	413,612	926,894
Valleyfield	9,215	46	9,620,671	2,338	1,909,141	5,979,079	14,536,231
Chicoutimi	8,937	41	8,802,297	939	1,022,784	1,518,660	7,182,543
St. Johns ..	7,734	53	28,539,413	5,526	5,770,388	11,482,800	21,012,707
Grand Mere	7,631	34	53,795,328	2,717	3,457,424	3,333,960	16,432,589
Granby ....	6,785	50	4,884,324	1,982	1,637,217	2,999,710	6,536,707
St. Jerome ..	5,491	37	3,653,176	1,487	1,184,799	2,691,904	6,078,264
Magog .....	5,159	29	5,843,871	1,156	756,617	3,948,794	8,305,587
SASKATCHEWAN							
Regina .....	34,432	173	12,934,148	2,450	3,843,881	10,522,405	20,880,352
Saskatoon ..	25,739	173	7,135,657	1,642	2,171,531	7,328,768	11,597,027
Moose Jaw ..	19,285	113	5,254,710	1,806	2,950,861	11,850,696	13,798,323
Prince Albert ..	7,558	40	1,833,827	466	575,009	2,182,960	3,303,207





Lacking 1921 and 1922.





C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

PRELIMINARY REPORT  
on  
GENERAL MANUFACTURES  
in  
CANADA  
1923

+ + +

Published by Authority of the Hon. Thos. A. Low, M. P.,  
Minister of Trade and Commerce.

+ + +

OTTAWA

1925





CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

CENSUS OF INDUSTRY.

---

Dominion Statistician: R. H. Coats, B.A., F.S.S., (Hon.) F.R.S.C  
Chief, Census of Industry: J. C. Macpherson.

---

MANUFACTURES OF CANADA,

1923.

Ottawa, August 1925. The seventh annual report on the manufacturing industries of Canada for the calendar year 1923 is herewith presented, the salient features of which are outlined below:-

**Establishments:-** The number of establishments from which reports were received rose from 22,541 in 1922 to 22,642 in 1923 or a net increase of 101.

**Capital investment:-** The total invested capital rose from \$3,244,302,410 in 1922 to \$3,380,322,950 in 1923, being an increase of \$136,020,540 or 4.2 per cent. Of this investment \$2,165,497,811 constituted fixed capital (lands, buildings, machinery, etc.) and \$1,214,825,129 working capital (materials and finished products on hand, miscellaneous supplies and cash, trading accounts, etc.)

**Employment:-** The number of person employed in the manufacturing industries of Canada in 1923 was 533,905 of whom 408,606 were males and 125,299 were females. Of the total number 78,273 were employed on salaries, 446,994 on wages and 8,638 as piece-workers outside the establishments. In 1922, the total number employed was 480,525 of whom 76,040 were on salary, 398,390 on wages and 6,095 as outside piece-workers.

**Salary and wages payments:-** The total payments for labour for the year amounted to \$573,095,870 of which \$142,738,681 was expended for salaries, \$428,731,347 for wages and \$1,625,842 in payments to outside piece-workers. Compared with 1922 there were increases in the amounts paid for salaries of \$6,519,510, wages of \$54,519,206 and outside piece-workers of \$341,405.

**Materials used:-** The total cost of materials, whether raw or partly manufactured, used in 1923 was \$1,470,140,139 an excess over the year 1922 of \$189,613,060 or approximately 15 per cent.

**Value of products:-** The gross value at the mill or factory of all goods manufactured during 1923 amounted to \$2,781,165,514, an increase over the previous year of \$341,321,748 or 12.27 per cent. The net value of production or the value added by manufacture, obtained by deducting the cost of materials from the gross value of production in 1923 amounted to \$1,311,025,375 as compared with \$1,198,434,407 in 1922 or an increase of \$112,590,968 or 9.4 per cent.



Comparative Statistics of Manufactures, 1922 and 1923.

In the table following, comparative data of the principal statistics of the manufacturing industries of Canada are presented, and they show that in every item there have been steady increases as indicated in column (3). The percentage of net value to gross value of production fell from 48.24 in 1922 to 47.14 in 1923, a decrease of 1.14 per cent due to the higher cost of materials in the latter year.

TABLE 1. Principal Statistics of Manufactures compared for 1922 and 1923.

Principal Statistics		1923	1922 <sup>1</sup>	Increase
Establishments	No.	22,642	22,541	101
Capital invested -				
Fixed capital	\$	2,165,497,811	2,086,175,767	79,322,044
Working capital	\$	1,224,825,139	1,158,126,643	56,698,496
Employees on salaries -				
Males	No.	61,677	59,740	1,937
Females	No.	16,596	16,300	296
Total salaries paid	\$	142,738,681	136,219,171	6,519,510
Employees on wages -				
Males	No.	344,453	305,819	38,634
Females	No.	102,541	92,571	9,970
Total wages paid	\$	428,731,347	374,313,141	54,519,206
Outside Piece-workers -				
Males	No.	2,476	1,597	879
Females	No.	6,162	4,498	1,664
Total payments	\$	1,625,842	1,284,437	341,405
Power employed -	H.P.	5,077,456	4,774,511	302,945
Cost of fuel	\$	58,736,938	54,638,475	4,098,463
Cost of materials	\$	1,470,140,139	1,283,774,723	186,365,416
Gross value of products	\$	2,781,165,514	2,482,209,130	298,956,384
Net Value of products	\$	1,311,025,375	1,198,434,407	112,590,968

<sup>1</sup> The statistics of manufactures for the calendar year 1922 as presented in the Canada Year Book for 1924 (381-436) have been revised so as to include certain mineral products such as Brick & Tile, Pottery, Sewer pipe, Fire brick, and fireclay products, Portland Cement, Lime and Salt. The statistics relating to these industries have also been included in the mineral production section.

Table 2 presents the principal statistics of the manufacturing industries of Canada for the calendar year 1923 arranged by (a) provinces and (b) Industrial groups. The province of Ontario leads all others with more than 50 per cent of the total production of the Dominion and is followed in order by Quebec with almost 30 per cent and British Columbia with a little more than 6 per cent leaving less than 14 per cent for the remaining provinces. In the industrial group classification, the first place is taken by the wood and paper group displacing the vegetable products group, which was a close second with the iron and steel industry occupying third position. These three groups comprised nearly 56.5 per cent of the total gross production in 1923 as against 54.8 per cent in 1922.

Table 2.- Principal Statistics of the Manufacturing Industries of Canada, 1923 by Provinces and Industrial Groups

Provinces and Groups	Establishments No	Capital Invested \$	Employees on salaries		Employees on wages		Cost of Materials	Gross value of products.
			Number	Salaries	Number	Wages		
(a) Provinces								
Prince Edward Island	368	2,821,440	210	173,996	2,535	452,697	2,766,092	4,462,821
Nova Scotia	1,193	106,947,436	1,558	2,450,304	15,621	10,776,074	50,103,942	81,984,848
New Brunswick	872	84,563,968	1,633	2,663,543	14,588	10,204,621	40,181,251	70,114,006
Quebec	7,142	1,009,898,982	21,300	40,557,364	142,322	123,798,718	396,714,471	811,103,396
Ontario	9,549	1,775,493,340	43,610	78,990,006	219,160	228,876,308	779,943,613	1,451,883,308
Manitoba	803	92,426,674	3,289	5,878,088	11,527	12,516,396	55,973,093	97,334,531
Saskatchewan	647	29,891,835	1,024	1,716,990	3,081	3,667,968	19,333,620	34,337,811
Alberta	723	61,659,305	1,855	3,142,677	6,912	7,491,028	31,612,377	54,337,801
British Columbia & Yukon	1,345	216,619,970	3,794	7,165,713	31,248	30,947,537	93,511,680	175,606,992
Totals - Canada	22,642	3,360,322,950	78,723	142,738,681	446,994	428,731,347	1,470,140,139	2,781,165,514
(b) Industrial groups								
Vegetable products	4,427	385,725,299	10,687	19,884,124	54,708	47,557,502	337,790,150	547,674,286
Animal products	5,078	207,000,471	10,570	16,150,913	50,947	36,719,211	273,995,639	384,005,815
Textile and textile products	1,817	283,248,204	8,190	16,041,669	84,479	65,202,536	176,445,427	334,439,196
Wood and paper products	6,875	801,085,402	17,959	34,822,426	110,445	112,432,947	236,808,842	556,025,035
Iron and its products	1,000	552,272,800	11,817	23,342,059	76,254	92,111,750	256,417,991	465,959,547
Non-ferrous mineral products	333	106,644,467	4,322	7,774,546	17,087	17,241,119	42,775,264	88,199,326
Non-metallic mineral products	1,091	243,519,222	3,186	5,508,299	21,792	23,772,292	69,302,684	143,975,960
Chemicals and allied products	475	126,537,481	4,209	7,977,117	10,940	10,456,562	54,638,062	111,245,156
Miscellaneous industries	1,546	674,289,604	7,333	11,237,528	20,342	23,177,428	21,966,080	149,562,193



## CONSUMPTION OF MANUFACTURED PRODUCTS, 1923.

The consumption of manufactured products is made possible by the placing of the classification of external trade and production on a common basis. Table 3 gives the value of goods manufactured in Canada (Col. 1) which added to the value imported for consumption (Col. 2) less the exports of manufactured and partly manufactured goods (Col. 3) leaves the value of manufactured products available for consumption (Col. 4). In 1923 iron and its products was first in value of goods made available for consumption with vegetable products and textiles in second and third positions, the total for all groups amounting to \$2,828,679,853 in 1923 as against \$2,499,221,674 in 1922. It should be observed that considerable duplication occurred in the value of manufactured products where several processes are performed upon a commodity before it is ready for ultimate use.

TABLE 3. CONSUMPTION OF MANUFACTURED PRODUCTS IN CANADA, 1923.

Groups of Industries	Value of Manufactured Goods	Manufactured & Partly Manufactured Goods		Value of Products available for Consumption.
		Imports	Exports	
<u>Total</u>	2,781,165,514	639,343,645	591,829,306	2,828,679,853
Vegetable products.....	547,674,266	121,902,560	109,830,444	559,746,402
Animal products.....	384,085,815	20,389,040	82,446,370	322,028,485
Textile products.....	334,439,196	133,559,480	5,010,948	462,987,728
Wood and Paper products.....	556,025,035	40,055,362	250,033,396	346,047,061
Iron and its products.....	465,959,547	168,036,499	66,890,955	567,105,091
Non-ferrous metal products.....	88,199,326	40,506,796	34,905,833	93,800,289
Non-metallic mineral products.....	143,975,960	40,626,253	9,005,603	175,596,610
Chemical & allied products.....	111,244,156	26,088,041	11,025,152	126,307,045
Miscellaneous industries.....	149,562,193	48,179,614	22,680,605	175,061,202

Note - Statistics of manufactured products are for the calendar year 1923. Imports and exports of manufactured and partly manufactured goods are for the fiscal year ended March 31, 1924.

# FORTY LEADING INDUSTRIES.

In 1923 the pulp and paper mill industry advanced to first place among the industries of Canada in gross value of production displacing the flour milling industry which had occupied that position during 1921 and 1922 but which retained second place. The highest capital investment was in the electric light and power industry followed in order by the pulp and paper and saw mill industries. From the standpoint of employment the saw lath and shingle mill industry stood in first position with the pulp and paper industry again ranking second with the cotton mill and foundry castings and forgings in third and fourth places. In salary and wage distribution the pulp and paper industry stood first whilst the sawmill industry owing to its seasonal nature occupied second place. The cost of materials was highest in the flour milling and meat packing industries but on the other hand they were comparatively low in the number employed and in the net value of production. Table 4 gives the principal statistics of the forty leading industries of the Dominion ranked in order of production.

TABLE 4. Principal Statistics of the Forty Leading Industries in Canada 1923, arranged in order of gross value of production.

Industries	Establish- ments No.	Capital Invested \$	Employees No.	Salaries & Wages \$	Cost of Materials \$	Value of Products. \$
1. Pulp and paper	110	417,611,678	29,234	38,382,845	71,322,722	184,414,675
2. Flour and grist mill products	1,387	60,556,587	6,786	7,450,428	128,473,059	154,895,991
3. Saw, lath and shingle mills	2,383	155,638,059	35,070	33,490,504	73,325,718	139,894,677
4. Slaughtering and meat packing	76	53,058,776	9,913	12,708,253	107,788,344	138,218,909
5. Putter and cheese	2,982	31,758,316	9,366	8,990,947	84,932,404	106,405,412
6. Automobiles	10	60,146,195	9,305	14,998,267	71,851,633	96,614,176
7. Electric light and power	957	581,472,583	11,095	14,784,038	43,155,326	91,141,296
8. Cotton yarn and cloth	34	82,843,739	19,242	14,100,523	61,817,862	79,333,985
9. Sugar, refined	7	45,618,182	2,741	4,160,769	26,741,217	77,004,026
10. Castings and forgings	321	88,325,248	19,146	23,634,438	26,741,217	70,283,006
11. Railway rolling stock	21	59,237,975	13,316	17,417,983	40,205,444	68,213,887
12. Rubber goods including footwear	40	56,061,625	11,646	12,329,117	26,335,306	56,512,947
13. Electrical apparatus	108	65,077,942	13,268	14,991,550	26,257,361	51,360,400
14. Printing and publishing	677	41,224,581	13,676	18,486,205	12,749,351	49,558,641
15. Bread and other bakery products	1,980	28,231,856	12,305	22,215,094	24,287,282	48,859,478
16. Disculits and confectionery	361	36,827,117	12,724	11,125,161	23,959,877	48,394,175
17. Hosiery and knit goods	153	45,073,368	14,755	11,261,851	24,344,350	47,521,576
18. Boots and shoes, leather	186	30,533,591	14,043	13,951,444	23,295,678	45,596,012
19. Petroleum, refined	14	60,288,861	4,195	5,531,569	36,435,306	45,571,506
20. Steel and rolled products	22	82,880,333	5,235	9,474,289	27,230,862	44,715,176
21. Woodworking, sash and door factories	793	43,317,824	10,007	10,893,784	24,585,574	43,821,663



TABLE 4. Principal Statistics of the Forty Leading Industries in Canada 1923, arranged in order of gross value of production - CONT'D.

Industries	Estab- lish- ments No.	Capital Invested \$	Employees No.	Salaries & Wages \$	Cost of Materials \$	Value of Products \$
22. Clothing, women's, factory	333	18,948,917	13,158	12,895,708	23,363,551	42,982,646
23. Tobacco, cigars and cigarettes	111	31,312,210	6,408	5,481,068	10,424,241	42,176,997
24. Clothing, men's, factory	153	22,418,753	9,989	11,048,824	18,355,897	35,855,242
25. Printing and bookbinding	696	34,030,266	10,305	13,431,992	10,181,761	34,566,485
26. Sheet metal products	105	29,072,727	6,395	7,280,999	16,221,926	31,020,322
27. Breweries	52	38,384,708	3,100	4,308,550	9,846,130	29,260,243
28. Machinery, industrial	141	50,908,442	8,422	10,613,860	9,044,475	28,901,052
29. Furniture and upholstery	364	32,183,661	9,128	9,771,377	9,652,545	26,234,980
30. Agricultural implements	67	92,277,040	7,792	9,112,214	11,592,401	26,026,419
31. Furnishing goods, men's	135	18,085,313	7,583	5,984,351	14,279,926	25,502,111
32. Fish curing and packing	938	24,027,549	15,447	3,769,914	15,331,193	25,374,763
33. Acids, alkalis and salts	47	36,436,315	2,788	3,780,443	11,636,321	23,912,992
34. Leather tanneries	123	30,348,468	3,787	4,302,069	16,458,674	23,633,165
35. Automobile accessories	60	18,241,996	3,705	5,484,903	13,301,152	22,000,640
36. Paints and varnishes	57	20,806,909	2,591	3,665,823	10,754,273	21,553,158
37. Pig iron and fires-alloys	4	-	814	1,341,912	15,698,259	21,355,595
38. Hardware and tools	106	31,675,780	6,060	6,552,797	6,600,835	20,320,224
39. Wire and wire goods	48	18,388,722	3,313	3,782,605	10,722,141	19,991,525
40. Gas, lighting and heating	45	45,526,495	3,021	3,801,832	9,024,084	19,605,340
Total forty leading industries	16,707	2,718,858,707	400,874	446,790,300	1,201,584,461	2,208,605,513
Total all industries	22,642	3,380,322,950	525,267	571,470,228	1,470,140,139	2,781,165,514
Percentage of forty leading in- dustries to total of all industries	73.79	80.43	76.32	78.18	81.73	79.41

Table 5, presents statistics of capital investment in the manufacturing industries of Canada by provinces and by industrial groups for the calendar year 1923. The increase in the total capital invested over 1922 amounted to \$136,020,540 made up of \$79,322,044 fixed capital and \$56,698,496 working capital. The average capital invested in each establishment advanced from \$143,733 in 1922 to \$149,294 in 1923 an increase per plant of \$5,365 or 3.7 per cent. The increase in capital is indicative of continued improvement in manufacturing conditions throughout the Dominion.

TABLE 5. Capital Employed in Manufacturing Industries, 1923.

(a) Provinces	Establish- ments No.	Fixed Capital		Working Capital		Total Capital
		Land, buildings and fixtures	Machinery and tools	Materials on hand, stock in process, finish- ed products	Cash, trading accounts and bills receiv- able.	
Prince Edward Island	368	1,118,486	623,651	533,775	545,528	2,821,440
Nova Scotia	1,193	56,178,933	23,417,428	16,201,567	11,149,508	106,947,436
New Brunswick	872	37,300,472	18,032,883	18,207,718	11,022,095	84,563,968
Quebec	7,142	474,801,111	179,522,690	187,715,036	167,860,145	1,009,898,982
Ontario	9,549	796,541,864	299,091,853	365,982,919	313,876,704	1,775,493,340
Manitoba	803	47,607,518	13,973,975	15,361,329	15,483,852	92,426,674
Saskatchewan	647	18,968,257	4,129,082	4,096,525	2,677,971	29,891,835
Alberta	723	38,054,927	8,018,559	9,296,098	6,289,721	61,659,305
British Columbia and Yukon	1,345	107,158,490	40,937,632	38,380,967	30,142,881	216,619,970
Canada Total	22,642	1,577,750,058	587,747,753	655,775,934	559,049,205	3,380,322,950
(b) Industrial groups						
Vegetable products	4,427	134,005,671	92,294,076	87,327,141	72,098,411	385,725,299
Animal products	5,078	58,611,785	38,222,857	63,202,592	46,963,237	207,000,471
Textiles & textile products	1,817	60,360,845	76,482,272	80,374,440	66,030,647	283,248,204
Wood and paper products	6,875	346,987,570	179,068,533	165,186,940	109,842,359	801,085,402
Iron and its products	1,000	186,476,535	103,809,288	138,063,440	123,923,537	552,272,800
Non-ferrous metal products	333	25,536,381	26,228,525	29,136,450	25,743,111	106,644,467
Non-metallic mineral products	1,091	160,787,983	33,783,494	31,009,764	17,937,981	243,519,222
Chemicals and allied products	475	47,964,108	21,062,807	27,943,150	29,567,416	126,537,481
Miscellaneous industries	1,546	557,019,180	16,795,901	33,532,017	66,942,506	674,289,604



# EMPLOYMENT STATISTICS

The number of persons employed in the manufacturing industries of Canada in 1923 exclusive of outside piece-workers was 525,267 as compared with 462,573 in 1922 and 439,889 in 1921. Of those employed in 1923 the number on salaries totalled 78,273 of which 6,677 were males and 16,596 females, whilst those employed on wages numbered 344,453 males and 102,541 females. The figures relating to wage-earners are averages for the year and are ascertained by dividing the total number employed by months during the year by twelve.

The average number of employees per establishment rose from 21 in 1922 to 23.2 in 1923 or 10.50 per cent, whilst the average payment in salaries and wages per establishment rose from \$22,645 in 1922 to \$25,240 in 1923 or 11.46 per cent. The average salary per employee advanced from \$1791.28 in 1922 to \$1823.60 in 1923 and the average wage per employee from \$939.31 in 1922 to \$959.14 in 1923. The total amount paid for labour in 1923 was \$571,470,028 of which \$142,738,661 represented salaries and \$428,731,347 represented wages.

Pieceworkers employed outside the establishment totalled 8,638 of whom 2,476 were males and 6,162 females, whilst the total payments to such out-workers amounted to \$1,625,842. In table 6 below the statistics of employment are shown by provinces and by groups of industries. The province of Ontario furnished over 50 per cent of the number employed and paid 54 per cent of the total cost of salaries and wages. Quebec is second with over 31 per cent of this number employed and 28 per cent of the cost of salaries and wages. Of the industrial groups wood and paper furnished employment to the highest number having 24.5 per cent of the total followed in order by the textile groups with 17.6 per cent and the iron group with 16.7 per cent.

TABLE 6. Employees, salaries and Wages, 1923.

(a) Provinces	Employees on salaries		Total Salaries \$	Employees on Wages		Total Wages \$
	Male No.	Female No.		Male No.	Female No.	
Prince Edward Island	179	31	173,996	1,495	1,040	452,697
Nova Scotia	1,210	348	2,450,304	12,230	3,391	10,776,074
New Brunswick	1,263	370	2,663,543	10,997	3,591	10,204,621
Quebec	17,464	3,836	40,557,364	102,812	39,510	123,798,718
Ontario	23,205	10,405	78,990,006	172,244	46,916	228,876,308
Manitoba	2,640	649	5,878,088	8,997	2,530	12,516,396
Saskatchewan	867	157	1,716,990	2,788	293	3,667,968
Alberta	1,545	310	3,142,677	5,938	974	7,491,028
British Columbia and Yukon	3,304	490	7,165,713	26,952	4,296	30,947,537
Canada, totals	61,677	16,596	142,738,681	344,453	102,541	428,731,347

TABLE 6. EMPLOYEES, SALARIES AND WAGES, 1923. Cont'd.

(b) Groups of Industries	Employees on Salaries		Total Salaries \$	Employees on Wages		Total Wages \$
	Male No.	Female		Male No.	Female No.	
Vegertable products	8,454	2,233	19,884,124	37,813	16,895	47,557,502
Animal products	8,929	1,641	16,150,913	36,556	14,391	36,719,211
Textiles and textile products	5,931	2,259	16,041,669	33,910	50,569	65,202,536
Wood and paper products	14,314	3,645	34,822,426	101,604	8,841	112,492,947
Iron and its products	9,428	2,389	23,342,059	73,480	2,774	92,111,750
Non-ferrous metal products	3,246	1,076	7,774,546	13,757	3,330	17,241,119
Non-metallic mineral products	2,523	663	5,508,299	20,533	1,259	23,772,252
Chemicals and allied products	3,176	1,033	7,977,117	8,343	2,597	10,456,562
Miscellaneous industries	5,676	1,657	11,237,528	18,457	1,885	23,177,428

Another view of the trend of employment is afforded by comparing the index numbers of employment in the manufacturing group of industries by months for the calendar years 1921, 1922 and 1923, as presented in Table 7.

TABLE 7. INDEX NUMBERS OF EMPLOYMENT IN THE MANUFACTURING GROUP OF INDUSTRIES BY MONTHS FOR THE CALENDAR YEAR, 1921, 1922 &amp; 1923

Months	1921	1922	1923
January	78.4	68.7	78.1
February	84.8	73.0	85.0
March	84.6	78.1	87.5
April	80.7	78.0	85.6
May	80.2	79.0	90.5
June	81.1	84.2	93.5
July	80.9	84.2	93.6
August	81.3	85.8	93.5
September	79.3	86.5	93.0
October	81.3	86.7	91.8
November	81.1	87.7	91.2
December	79.3	87.7	88.2



## POWER EMPLOYED

The statistics of **power** employed in the manufacturing industries of Canada in 1923 are presented in Table 8 and they show increased development when compared with 1922. The total power used in 1923 was 5,077,456 H.P. as compared with 4,774,511 H.P. in the preceding year. The development of power by electric motors continues to increase, the horsepower employed having risen from 1,162,649 in 1922 to 1,315,828 in 1923 or an increase of 153,179 H.P. Water powers also increased from 2,691,084 H.P. in 1922 to 2,869,738 H.P. in 1923, whilst steam power on the other hand shows a small decrease of 5,886 H.P. when compared with 1922.

Ontario leads the provinces in the total power used in 1923 with 2,219,860 H.P., Quebec being second with 1,754,401 H.P. and British Columbia third with 496,212 H.P. The total electrical power used in Ontario rose from 580,913 H.P. in 1922 to 625,816 H.P. in 1923 and in Quebec the advance was from 402,319 H.P. in 1922 to 477,097 H.P. in 1923. In the groups of industries the miscellaneous industry group, including central electrical stations, was first with 2,621,529 H.P., but aside from this the largest user of electrical energy was the wood and paper group including the pulp and paper mill industries with a total used H.P. of 1,384,737. The vegetable products group, including the flour mill industry, is next in order with 279,106 H.P. followed by the iron and steel group with 249,334 H.P.

TABLE 8. POWER USED IN THE MANUFACTURING INDUSTRIES OF CANADA BY PROVINCES AND GROUPS OF INDUSTRIES, 1923.

Provinces	Steam Engines and Turbines H.P.	Gas Engines H.P.	Oil and Gasoline Engines H.P.	Hydraulic Turbines and Water Wheels H.P.	Electric Motors H.P.	Total Power H.P.
Prince Edward Island	1,667	1,136	309	1,911	234	5,277
Nova Scotia	51,188	1,401	2,685	38,231	28,742	122,247
New Brunswick	62,001	3,183	703	33,114	31,290	130,291
Quebec	174,912	3,905	8,743	1,089,744	477,097	1,754,401
Ontario	286,038	13,736	6,623	1,287,647	625,816	2,219,860
Manitoba	24,708	1,748	537	89,650	33,341	149,984
Saskatchewan	48,345	8,029	1,112	-	8,056	65,542
Alberta	72,579	4,601	1,012	32,604	22,846	133,642
British Columbia & Yukon	106,412	3,264	1,293	296,837	88,406	496,212
Totals	827,870	41,003	23,017	2,869,738	1,315,828	5,077,456
Groups of Industries						
Vegetable products	59,903	3,346	6,878	42,107	166,872	279,106
Animal products	24,818	2,808	3,187	1,925	57,884	90,622
Textiles and textile products	21,722	2,091	171	17,604	89,917	131,505
Wood and paper products	340,685	7,892	8,942	457,781	569,437	1,384,737
Iron and its products	47,726	5,163	628	4,906	190,911	249,334
Non-ferrous metal products	7,010	158	-	55,452	47,186	109,806
Non-metallic mineral products	28,460	2,156	2,797	826	109,169	143,408
Chemicals and allied products	15,813	135	277	6,525	44,659	67,409
Miscellaneous industries	281,733	17,254	137	2,282,612	39,793	2,621,529

## FUEL USED

The fuel used by Canadian industrial establishments in 1923 is presented in Table 9, by provinces and industrial groups. Coal and its derivate coke accounted for 80 per cent of the total value of fuel consumed and includes 5,338,446 tons of bituminous coal valued at \$38,283,135. Oil for fuel comes next in order to bituminous coal, the value in 1923 amounting to \$6,241,692 as against an expenditure of \$5,649,071 in 1922 and \$5,417,800 in 1921. Of the total fuel used the province of Ontario expended therefor \$29,215,731 or nearly 50 per cent, Quebec being next with \$17,231,245 or almost 30 per cent.

The groups of industries using fuel most extensively in 1923 were wood and paper to the value of \$16,658,377, non-metallic mineral products \$11,671,916, Iron and its products \$10,411,656 and vegetable products \$ 6,946,588.

TABLE 9. FUEL CONSUMPTION BY PROVINCES AND GROUPS OF INDUSTRIES, 1923.

Provinces	Bituminous Coal Quantity Tons	Value \$	Anthracite and Lignite coal \$	Coke \$	Oil \$	Gas \$	Other \$	Total \$
Prince Edward Island	4,163	43,223	42,352	30	3,234	-	22,641	111,420
New Scotland	267,582	1,482,347	358,509	101,149	881,236	193,917	93,617	3,110,777
New Brunswick	244,057	1,714,207	231,115	21,313	30,817	17,252	130,671	2,145,562
Quebec	1,468,357	11,610,936	1,436,718	838,345	1,966,627	266,665	1,109,924	17,231,245
Ontario	2,972,566	21,297,744	1,341,106	2,019,991	1,720,936	1,107,392	1,726,562	29,215,731
Manitoba	73,050	553,956	350,943	170,259	139,265	16,752	205,047	1,436,222
Saskatchewan	17,259	141,301	724,325	8,372	633,745	61,460	131,606	1,701,069
Alberta	85,965	341,404	567,456	12,487	20,102	137,553	71,124	1,150,126
British Columbia & Yukon	205,447	1,098,017	70,729	66,311	843,728	101,080	392,921	2,632,786
Totals	5,338,446	38,283,135	5,123,253	3,238,257	6,241,692	1,904,058	3,946,543	58,736,938
Industrial Groups								
Vegetable products	602,310	4,000,164	888,046	466,693	568,431	379,107	644,147	6,946,588
Animal products	336,605	2,305,727	282,109	28,107	48,023	30,196	798,274	3,492,436
Textiles & textile products	342,932	2,594,076	171,105	30,990	13,710	42,017	64,791	2,916,689
Wood and paper products	1,736,855	13,596,107	995,905	27,399	913,049	102,850	1,023,067	16,658,377
Iron and its products	848,485	5,957,764	339,965	2,005,812	1,465,617	364,288	278,010	10,411,656
Non-ferrous metal products	83,417	598,727	62,309	133,334	214,818	113,515	35,175	1,157,878
Non-metallic mineral products	1,087,808	7,091,156	70,521	195,257	2,651,074	830,411	833,497	11,671,916
Chemicals and allied products	237,686	1,661,485	83,182	328,407	67,169	21,320	67,786	2,229,349
Miscellaneous industries	62,146	477,529	2,230,111	22,258	299,601	20,354	201,796	3,252,049



## Urban Statistics of Manufactures, 1923

The statistics of manufactures in urban centres having a population of 10,000 or over are presented in Table 10 for the calendar year 1923. In the 54 cities of the above stated population the value of manufactured products amounted to \$1,760,598,809, equivalent to 63.3 per cent of the total of all industries in the Dominion. The other percentages in the 54 cities to the total for the Dominion were, in the number of establishments 35, in capital invested 56.5, in the number employed 63.4, in salaries and wages 65.9 and in the cost of materials 62.6.

Table 10.- Statistics of Manufactures by Cities and Towns of 10,000 population and over, 1923.

Cities and Towns	Estab-lish-ments	Capital	Em-loyees	Salaries and Wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
<u>P. E. Island</u>						
Charlottetown.....	31	1,147,259	359	293,306	833,805	1,573,675
<u>Nova Scotia</u>						
Glace Bay.....	8	236,713	64	72,592	40,484	224,480
Halifax.....	89	11,422,912	2,596	2,479,973	3,591,505	9,545,038
Sydney.....	29	13,990,139	1,049	1,082,353	4,758,232	9,640,320
<u>New Brunswick</u>						
Moncton.....	40	2,719,513	913	827,407	1,361,595	2,904,550
St. John.....	127	28,660,997	3,851	3,782,708	20,309,736	29,600,590
<u>Quebec</u>						
Full.....	26	11,006,675	2,825	2,569,647	5,430,222	11,473,096
Lachine.....	21	8,421,719	1,503	1,856,132	2,079,185	6,187,113
Levis.....	14	608,624	149	123,780	123,070	374,497
Montreal.....	1,444	454,713,376	83,696	91,307,201	223,565,616	447,617,748
Quebec.....	225	35,971,423	8,328	7,507,826	13,076,014	28,869,961
St. Hyacinthe.....	47	7,650,192	2,460	1,746,533	4,665,652	8,159,801
Shawinigan Falls..	19	39,305,549	2,596	3,095,633	6,631,345	16,381,429
Sherbrooke.....	59	20,662,412	3,571	3,558,426	5,386,811	11,968,421
Three Rivers.....	41	44,200,100	4,932	5,000,329	10,873,759	27,086,713
Verdun.....	4	1,022,344	388	336,219	596,525	1,276,427
<u>Ontario</u>						
Belleville.....	53	2,707,736	760	762,147	1,222,546	2,974,020
Brantford.....	107	48,343,173	6,427	6,827,770	13,142,877	26,671,714
Brockville.....	38	5,385,808	860	881,255	2,677,413	5,310,170
Chatham.....	57	15,490,165	2,099	2,281,506	8,653,844	14,194,813
Fort William.....	31	19,125,275	908	1,095,704	4,377,797	7,618,926
Galt.....	75	12,695,293	3,047	3,217,303	4,573,333	10,252,634
Guelph.....	92	14,008,762	3,863	3,937,707	7,235,259	15,780,120
Hamilton.....	421	136,058,679	23,564	27,263,253	59,784,192	112,946,317
Kingston.....	62	12,077,061	1,653	1,730,415	3,513,710	7,163,773
Kitchener.....	126	31,533,784	6,931	7,409,030	15,662,244	31,994,593
London.....	232	38,681,695	8,732	9,313,749	16,305,704	35,819,013
Niagara Falls.....	56	60,002,239	2,807	3,863,547	12,009,121	27,249,920
North Bay.....	18	977,667	208	229,561	343,107	915,458
Oshawa.....	34	23,978,144	5,019	6,223,833	33,338,313	43,876,305
Ottawa.....	197	43,513,709	7,058	8,454,415	25,706,305	40,965,955
Owen Sound.....	49	7,068,762	1,720	1,635,385	1,930,188	4,696,092
Peterboro.....	79	23,665,207	4,709	4,207,360	19,127,043	27,556,142
Port Arthur.....	24	6,659,434	656	779,270	1,249,473	3,654,189
St. Catharines....	94	17,021,204	3,485	4,006,612	5,552,158	13,902,748
St. Thomas.....	53	6,500,136	1,045	1,123,151	3,366,254	5,931,675
Sarnia.....	41	11,176,672	2,487	3,421,383	11,876,774	19,109,093
Sault Ste. Marie..	40	33,599,309	1,394	2,233,719	6,167,868	12,239,550
Stratford.....	60	6,939,760	1,762	1,841,648	4,344,557	7,934,630
Toronto.....	1,921	339,058,092	81,990	97,057,659	210,786,422	409,228,170
Windsor.....	112	18,557,788	3,052	4,296,505	8,635,355	19,390,874

Table 10.- Statistics of Manufactures by Cities and Towns of 10,000 population and over, 1923 (cont.)

Cities and Towns	Estab- lish- ments	Capital	Em- ployees	Salaries and Wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
<u>Manitoba</u>						
Brandon.....	35	4,140,617	424	616,160	2,205,608	3,762,627
St. Boniface....	24	5,412,570	865	1,063,820	9,691,844	12,287,388
Winnipeg.....	424	70,788,577	11,542	14,704,566	38,172,282	70,520,471
<u>Saskatchewan</u>						
Moosejaw.....	29	2,553,113	567	814,938	4,979,832	7,267,946
Regina.....	50	11,641,552	1,222	1,902,294	6,581,130	12,623,519
Saskatoon.....	49	6,484,593	869	1,206,184	3,135,360	6,006,903
<u>Alberta</u>						
Calgary.....	143	27,951,808	3,627	4,630,866	10,279,764	18,171,249
Edmonton.....	132	12,699,020	2,642	3,096,049	9,809,185	16,603,344
Lethbridge.....	25	2,053,909	273	352,907	885,001	2,047,837
<u>British Columbia</u>						
Nanaimo.....	37	660,588	391	214,937	526,154	1,007,432
New Westminster.	48	4,047,095	1,433	1,576,589	4,827,498	7,809,423
Vancouver.....	507	80,053,568	11,400	13,815,995	40,518,790	71,221,905
Victoria.....	138	16,691,109	2,454	2,827,422	4,056,163	10,498,975
Total of 54 cities.....	7,937	1,910,843,621	333,315	376,605,179	920,624,024	1,760,598,809
Total for Dominion.....	22,642	3,380,322,950	525,267	571,470,028	1,470,140,139	2,781,165,514
Per cent of 54 cities to total for Dominion....	35.	56.5	63.4	65.9	62.6	63.3





1-D-20

C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

ANNUAL REPORT  
on the  
GENERAL MANUFACTURES  
of  
CANADA  
1924

..... + \* + .....

Published by authority of the Hon. James Malcolm,  
Minister of Trade and Commerce

\* \* \*

OTTAWA

1926





CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

Dominion Statistician: R. H. Coats, L.A., F.S.S. (Hon.), F.R.S.C.  
Chief, Census of Industry: J. C. Macpherson

MANUFACTURES OF CANADA, 1924

Ottawa, September 1926. The eighth annual report on the manufacturing industries of Canada for the year ending 31st December 1924 is herewith presented, the principal statistical features of which are outlined below:-

Establishments:- The number of individual establishments reporting in 1924 was 22,178, a decline of 464 from the number reported in 1923. The animal products group shows the largest decrease having 262 fewer reports than in 1923. of which dairy factories 73, fish canneries 102, harness and saddlery 34, and fur goods 17 were the principal industries showing decreases. The next largest decrease was in the miscellaneous group of 181, but here the decrease is due to the dropping of 125 establishments making signs and the transfer of 21 sporting goods establishments to the wood and paper group. The industry showing the largest decrease in this group was that of musical instruments with 14.

Capital investment:- The total capital invested in Canadian manufacturing industries rose from \$3,380,322,950 in 1923 to \$3,538,813,460 in 1924, an increase during the year of \$158,490,510 or 4.69 per cent. Fixed capital, comprising land, buildings, machinery and tools, amounted to \$2,310,298,012 and working capital, including materials and supplies on hand, finished products, stocks in process, and cash, trading and operating accounts etc. to \$1,228,515,448.

Employment:- The number of persons employed in the manufacturing industries of Canada in 1924 was 516,177, of whom 76,230 were salaried employees and 432,273 were wage-earners and 7,674 were piece workers employed outside the establishments. Of the salaried employees 59,412 were males and 16,818 were females and of wage-earners 333,156 were males and 99,117 were females. Compared with 1923 there was a decrease in the number of salaried employees of 2,043, in wage-earners of 14,721 and in piece workers of 968.

Salaries and wages paid:- The total payments for labour and service in 1924 amounted to \$561,369,467, of which \$139,614,639 was paid for salaries, \$420,269,406 for wages and \$1,485,422 to outside piece workers. Compared with 1923 there was a decrease in the amount paid for salaries of \$3,124,042, in wages of \$8,461,941, and in payments to outside piece workers of \$141,633.

Materials used:- The total cost of all materials, whether in the raw or partly manufactured condition used in the various processes of manufacture during 1924 was \$1,438,409,681. Compared with the preceding year there was a decrease in the cost of materials of \$31,730,458 or 2.16 per cent.

Value of products:- The gross value of manufactured products at the point of production amounted to \$2,695,053,582 in 1924 which was a decrease of \$86,111,932 when compared with 1923. Of the nine groups, three show increases in value of production viz. the vegetable products, non-ferrous metals and miscellaneous groups, whilst the six remaining groups all show decreases ranging from \$95,870,873 in the iron and steel group to \$3,026,919 in the chemical products group. A comparison by provinces shows that decreases prevailed in the other provinces and increases in each of the Western provinces, Alberta's increase being \$10,907,560, British Columbia \$5,779,305, Manitoba's \$4,917,482 and Saskatchewan's \$1,976,120.

The net value of production or the value added by manufacture, which is obtained by deducting the cost of materials from the gross value of products, was \$1,256,643,901 in 1924. This added value represented 46.6 per cent of the gross value in 1924 and 47.1 per cent in 1923 or a variation of one-half per cent.



**Fuel Consumption:-** The cost value at the works of the various classes of fuel used in Canadian manufacturing industries in 1924 amounted to \$57,068,214 as compared with an outlay of \$58,736,938 in 1923. Bituminous coal was the principal fuel of which 5,518,255 tons valued at \$34,438,554 were used during the year being 73.5 per cent of the total cost of all fuel. Oil occupies second position with a total cost of \$5,780,752 or 10 per cent. Anthracite and lignite coal (\$5,270,149), coke (\$2,250,232), and gasoline (\$776,292) were the remaining principal fuels.

**Power Installation:-** The total horse power installed in the manufacturing plants of Canada in 1924 was 4,299,904 of which steam engines and turbines accounted for 944,267 h.p., internal combustion engines for 72,491 h.p., hydraulic turbines or waterwheels for 3,283,146 h.p.. In 1923 power used in manufactures totalled 3,761,628 h.p. of which 827,870 h.p. was developed by steam, 2,869,738 h.p. by water and 64,020 h.p. by internal combustion.

### Comparative Summary of Recent Manufacturing Statistics

A comparative study of the principal statistics of the manufacturing industries of Canada in recent years is afforded in Table 1. The years for which these statistics are presented, are the three last annual censuses and show the increase or decrease by percentages of the principal items.

Table 1/- Principal Statistics compared for 1922, 1923 and 1924.

Items		1 9 2 2	1 9 2 3	Increase (+) or decrease (-) p.c. 1922-23	1 9 2 4	Increase (+) or decrease (-) p.c. 1923-24
Establishments	No.	22,541	22,642	+ 0.4	22,178	- 2.05
Capital invested	\$	3,244,302,410	3,380,322,950	+ 4.2	3,538,813,460	+ 4.69
Average capital per establishment	\$	143,929	149,295	+ 3.7	159,564	+ 6.79
Employees on salaries	No.	76,040	78,273	+ 2.9	76,230	- 2.61
Salaries	\$	136,219,171	142,738,681	+ 4.8	139,614,639	- 2.19
Average sal.	\$	1.791	1.824	+ 1.8	1,831	+ .38
Employees on wages	No.	398,390	446,994	+ 12.2	432,273	- 3.29
Wages	\$	374,212,141	428,731,347	+ 14.6	420,269,406	- 1.98
Average wages	\$	939	959	+ 2.1	972	+ 1.35
Cost of materials	\$	1,283,774,723	1,470,140,139	+ 14.5	1,438,409,681	- 2.16
Average cost of materials per establishment	\$	56,953	64,930	+ 14.0	64,858	- .11
Value of products	\$	2,482,209,130	2,781,165,514	+ 12.0	2,695,053,582	- 3.09
Average value of products per establishment	\$	110,120	122,832	+ 11.5	121,519	- 1.07
Value added by manufacture	\$	1,198,434,407	1,311,025,375	+ 9.4	1,256,643,901	- 4.15

According to origin. Products of farm origin in 1924 were valued at \$1,104,520,600 and represented 41 per cent of the total of all production. Of the above total value of products of farm origin \$48,236,237 was of Canadian origin and \$256,204,443 of foreign origin. The principal items of Canadian farm origin were - flour and cereals (\$180,807,549), meats, etc. (\$133,740,271), butter and cheese (\$108,812,008), bread, biscuits and confectionery (\$99,526,707), tobacco, cigars, etc. (\$59,953,502), and boots and shoes of leather (\$42,003,168) whilst those of foreign origin were cotton goods (\$69,984,875), sugar (\$67,292,122), rubber goods (\$57,411,446) and coffee and spices (\$15,285,645).

Next to the products of farm origin were those of mineral origin totalling \$700,002,097, and comprising iron and steel products (\$370,000,774), non-metallic minerals (\$136,573,803), non-ferrous metals (\$93,223,373) and chemical products (\$90,124,957).

Products of forest origin occupied third place with a total value of \$544,282,597 and comprises pulp and paper (\$179,259,504), saw mill products (\$141,929,559), printing and publishing (\$53,033,481), planing mill products (\$40,900,222), printing and bookbinding (\$32,408,146), and furniture (\$25,843,620).

Products of the farm, the mine and the forest together show a production of \$2,348,805,374 or over 87 per cent of the total of all manufacturing production in 1924 amounting to \$2,695,053,582.

TABLE 2.- PRINCIPAL STATISTICS OF THE MANUFACTURING INDUSTRIES OF CANADA  
Classified According to Origin of the Products, for calendar year 1924.

Origins	Number of Establishments	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials	Gross Value of Products
			Male No.	Female No.	Male No.	Female No.		
Total	22,178	3,538,813,460	59,412	16,818	333,156	99,117	1,438,409,681	2,695,053,582
1. Farm Origin								
(a) From Field Crops	4,595	525,717,571	8,734	2,376	50,820	27,506	433,443,376	691,513,259
Canadian Origin	4,311	299,158,049	5,692	1,562	29,632	14,576	270,753,367	440,469,031
Foreign Origin	284	226,559,522	3,042	814	21,188	12,930	162,690,009	251,043,428
(b) From Animal Husbandry	4,086	253,858,982	9,147	2,041	36,743	16,741	285,502,644	413,007,421
Canadian Origin	4,068	247,073,900	9,063	1,990	36,334	15,665	282,604,516	407,766,406
Foreign Origin	18	6,785,082	84	51	409	1,075	2,898,128	5,241,015
(c) Total Farm Origin	8,681	779,576,553	17,881	4,417	87,563	44,246	718,946,020	1,104,520,600
Canadian Origin	8,379	546,231,949	14,755	3,552	65,966	30,241	553,357,863	846,236,237
Foreign Origin	302	233,344,604	3,126	865	21,597	14,005	165,588,137	256,284,443
2. Wild life origin	226	10,837,249	325	127	1,359	1,133	7,506,169	13,366,266
3. Marine origin	836	20,304,785	526	48	6,567	4,016	16,089,332	26,637,962
4. Forest origin	6,873	876,149,932	13,856	3,705	100,274	9,072	245,163,429	544,282,597
5. Mineral origin	2,806	1,010,517,944	16,809	5,139	105,669	9,220	349,800,585	700,002,097
6. Mixed origin	1,805	212,861,904	5,383	2,455	24,455	31,430	100,884,146	211,054,212
7. Electric light and power	951	628,565,093	4,632	927	7,269	-	-	55,169,760



Another presentation showing the classification of manufactured goods based on the purpose of the chief product for the calendar year 1924 is given in Table 3.

Ranked in order of the value of gross production, producer's materials stand first with a total value of \$767,759,256 or 28.5 per cent, followed by the food group with a total of \$702,713,901 or 26 per cent, the industrial equipment group third, with a total of \$425,236,330 or 15.78 per cent and the clothing group fourth, with a total of \$260,944,006 or 9.68 per cent.

An analysis of the relative standing of the two purpose groups of more general interest is here presented. The food group of industries had a gross production of 26 per cent of the output of all Canadian manufacturing concerns as compared with 9.68 per cent for the clothing group. It will be noted that the much greater production in the food group was in part due to the higher cost of raw materials in that group as compared with the cost of such materials in the clothing group, the value added by the processes of manufacture being 14.88 per cent of the total for all industries in the food group as compared with a percentage of 9.45 in the clothing group. The clothing group maintains a larger payroll than the food group despite the fact that a smaller output was recorded than for the food group, the anomaly being explained by the greater prevalence of female labour in the clothing industries. The total payroll compared for the two groups to the total of all groups of industries was 14.7 per cent for the food group and 16 per cent for the clothing group.

Table 3.- Principal Statistics of the Manufacturing Industries of Canada, classified according to the Purpose of the Principal Products, for the calendar year 1924.

	Estab-lish-ments No.	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials \$	Gross Value of Products \$
			Male No.	Female No.	Male No.	Female No.		
TOTAL	22,178	3,538,813,460	59,412	16,818	333,156	99,117	1,438,409,681	2,695,053,582
Food	8,036	364,420,646	10,903	2,420	45,982	15,116	515,708,299	702,713,901
Clothing	1,956	197,041,969	5,949	2,767	29,779	42,034	130,130,048	260,944,006
Drink and Tobacco	516	124,000,298	2,099	385	7,615	7,603	39,159,283	111,877,777
Personal Utilities	341	48,367,616	1,268	534	6,126	1,619	20,304,177	41,815,384
House Furnishings	587	64,787,015	1,745	469	12,114	1,792	22,448,984	54,944,837
Books and Stationery	1,690	100,017,954	6,083	2,244	16,252	4,907	32,360,935	107,272,029
Vehicles and Vessels	980	205,551,891	3,705	821	28,623	1,000	117,515,075	175,403,284
Producer's materials	5,716	1,251,962,266	12,828	2,731	128,934	19,040	334,533,201	767,759,256
Industrial Equipment	2,204	1,149,628,422	14,138	4,186	55,090	6,992	160,470,513	425,236,330
Miscellaneous	150	33,035,383	704	261	2,441	1,014	15,779,166	27,080,778

Table 4 presents the principal statistics of the manufacturing industries of Canada for the calendar year 1924, by provinces and by groups of industries classified according to chief component materials. The province of Ontario ranks first in production with 51.87 per cent of the total for the Dominion, Quebec being second with 28.80 per cent, whilst the remaining provinces follow in the order named:— British Columbia 6.73 per cent, Manitoba 3.80 per cent, Nova Scotia 2.50 per cent, Alberta 2.42 per cent, New Brunswick 2.40 per cent, Saskatchewan 1.34 per cent and P.E. Island .14 per cent.

In the industrial group classification first place is taken by the Vegetable products group having 21.74 per cent of the total of all groups. The wood and paper group is second with 20.28 per cent, animal products third with 14.09 per cent, iron and steel products fourth with 13.73 per cent, textile products fifth with 11.92 per cent followed in order by the miscellaneous group with 5.62 per cent, the metallic mineral group with 5.14 per cent, the chemical products group with 4.02 per cent and the non-ferrous metal group last with 3.46 per cent.

Table 4.— Summary of Principal Statistics of the Manufacturing Industries of Canada, 1924, by Provinces and Industrial Groups.

Provinces and Groups	Estab-lish-ments No.	Capital \$	Salaried Employees		Salaries \$	Wage-Earners		Cost of Materials \$	Value of Products \$	
			Male	Female		Male	Female			
			No.	No.		No.	No.			
CANADA (a). Provinces	22,178	3,538,813,460	59,412	16,818	139,614,639	333,156	99,117	420,269,406	1,438,409,681	2,695,053,582
	313	2,637,844	161	24	148,619	1,201	885	399,877	2,261,398	3,720,874
	1,166	108,535,273	1,136	354	2,238,100	11,576	3,027	9,315,720	38,930,734	64,573,092
	846	88,357,818	1,217	334	2,648,869	10,894	3,360	10,163,829	40,503,685	67,456,026
	6,847	1,044,113,969	16,743	4,139	38,146,425	101,272	39,498	124,232,859	385,880,826	776,232,244
	9,453	1,836,269,551	31,663	10,128	77,490,023	164,768	46,037	219,018,890	754,469,838	1,397,073,744
	768	110,011,602	2,538	705	5,760,287	9,135	2,400	12,946,455	59,036,763	102,252,013
	645	30,269,547	963	165	1,888,873	2,741	282	3,655,543	22,179,147	36,315,931
	739	67,565,979	1,520	307	3,326,837	5,385	938	7,382,303	39,102,975	65,245,361
	1,401	251,051,877	3,471	662	7,966,506	26,184	2,690	33,153,930	96,024,315	181,306,297
(b) Industrial Groups										
	4,414	414,922,612	7,805	2,112	18,379,524	38,795	17,471	52,258,780	365,614,654	585,945,604
	4,016	208,466,666	8,424	1,676	15,522,291	35,556	12,123	37,747,911	269,993,396	377,777,322
	1,781	298,665,942	5,369	2,521	15,413,471	33,528	48,836	62,511,278	179,551,579	321,355,101
	6,906	879,307,261	13,937	3,735	33,480,338	100,720	9,159	115,048,737	246,076,592	546,504,100
	1,003	535,524,351	8,866	2,536	22,559,893	64,351	2,561	77,007,617	195,981,347	570,000,574
	341	114,354,971	3,301	1,156	8,056,012	13,793	3,420	18,062,827	42,255,294	93,223,373
	1,095	235,613,111	2,286	704	5,614,161	19,862	1,334	23,945,505	61,741,225	130,573,003
	457	126,495,685	2,695	900	7,230,799	7,688	2,513	9,843,730	54,311,913	108,217,237
	1,365	725,062,861	6,729	1,478	13,358,150	18,863	1,700	23,842,941	22,001,481	151,300,002



## CONSUMPTION OF MANUFACTURED PRODUCTS, 1924.

The consumption of manufactured products is made possible by the placing of the classification of external trade and production on a common basis. Table 5 gives the value of goods manufactured in Canada (Col. 1) which added to the value imported for consumption (Col. 2) less the exports of manufactured and partly manufactured goods (Col. 3) leaves the value of manufactured products available for consumption (Col. 4). In 1924 vegetable products was first in value of goods made available for consumption with textiles and iron and steel products in second and third positions. The total for all groups available for consumption amounted to \$2,680,321,820 in 1924, as against \$2,828,679,853 in 1923 and \$2,499,221,674 in 1922. It should be observed that considerable duplication occurs in the value of manufactured products where several processes are performed upon a commodity before it is ready for ultimate use.

Table 5.- Consumption of Manufactured Products in Canada, 1924.

Groups of Industries	Value of manufactured goods	Manufactured and Partly Manufactured Goods		Value of Products available for consumption
		Imports	Exports	
Vegetable Products	585,945,602	108,241,810	120,264,517	573,922,895
Animal Products	379,777,322	19,616,573	97,303,588	302,090,307
Textile Products	321,355,101	130,017,205	5,819,473	445,554,993
Wood and Paper Products	546,504,103	37,632,867	230,935,076	353,201,899
Iron and Its Products	370,000,674	132,351,334	57,379,749	445,060,259
Non-Ferrous Metal Products	93,223,373	38,132,285	41,299,166	90,056,492
Non-Metallic Mineral Products	138,573,903	39,575,812	6,647,388	171,591,727
Chemical and Allied Products	108,217,237	24,760,237	10,843,153	122,134,321
Miscellaneous Industries	151,368,262	46,633,866	21,203,221	176,798,927
TOTAL	2,695,053,582	576,964,069	591,695,831	2,680,321,820

Note - Statistics of manufactured products are for the calendar year 1924. Imports and exports of manufactured and partly manufactured goods are for the fiscal year ended March 31, 1925.

FORTY LEADING INDUSTRIES, 1924

The principal statistics of the forty leading industries in the Dominion of Canada for the calendar year 1924 are presented in Table 6 and are arranged in order of the gross value of production.

The flour and gristmill industry which in 1921 and 1922 had held first place as the industry having the largest gross value of production and which was supplanted in 1923 by the pulp and paper industry had again in 1924 resumed its former position as Canada's leading industry. Pulp and paper mills are second, saw, lath and shingle mills third, slaughtering and meatpacking fourth and butter and cheese fifth. In these five leading industries it will be noted that the chief materials used were primarily of Canadian farm and forest origin. Especially in the industries whose materials are of farm origin the cost of such materials is highest yet the number of persons employed with their remuneration is lowest as is also the net value of production.

The following statement gives the position or rank of the ten leading industries as to (a) the number of establishments, (b) the amount of capital invested, (c) the number of persons employed, (d) the amount paid in salaries and wages, (e) the cost of materials and (f) the gross value of products.

- (a) Number of Establishments:- 1. Butter and cheese (2,909); 2. Sawmills (2,761); 3. Bread and other bakery products (2,073); 4. Flour and gristmills (1,309); 5. Electric light and power (951); 6. Fish curing and packing (836); 7. Planing mills, sash and door factories (808); 8. Printing and bookbinding (786); 9. Printing and publishing (717); 10. Dyeing, cleaning and laundry work (518).
- (b) Capital:- 1. Electric light and power (\$628,565,093); 2. Pulp and paper (\$459,457,696); 3. Sawmills (\$177,480,064); 4. Castings and forgings (\$87,851,647); 5. Agricultural implements (\$82,877,387); 6. Cotton yarn and cloth (\$82,752,025); 7. Steel and rolled products (\$79,805,201); 8. Electrical apparatus and supplies (\$72,301,204); 9. Flour and gristmills (\$64,356,544); 10. Automobiles (\$60,766,886).
- (c) Employees:- 1. Sawmills (35,494); 2. Pulp and paper (27,627); 3. Cottons (18,380); 4. Castings and forgings (17,043); 5. Boots and shoes (leather) (14,225); 6. Hosiery and knit goods (13,917); 7. Printing and publishing (13,719); 8. Electrical apparatus and supplies (13,670); 9. Clothing, women's factory (13,106); 10. Electric light and power (12,828).
- (d) Salaries and wages:- 1. Pulp and paper (\$37,649,528); 2. Sawmills (\$34,783,780); 3. Castings and forgings (\$20,597,505); 4. Printing and publishing (\$19,632,803); 5. Electric light and power (\$17,946,584); 6. Electrical apparatus and supplies (\$16,089,492); 7. Railway rolling stock (\$13,895,344); 8. Boots and shoes (leather) (\$13,772,451); 9. Bread and other bakery products (\$13,498,091); 10. Clothing, women's factory (\$13,392,798).
- (e) Cost of Materials:- 1. Flour and gristmills (\$150,056,430); 2. Slaughtering and meatpacking (\$106,764,011); 3. Butter and cheese (\$83,350,620); 4. Sawmills (\$83,141,692); 5. Pulp and paper (\$72,233,876); 6. Automobiles (\$64,148,581); 7. Sugar refineries (\$55,071,573); 8. Cotton yarn and cloth (\$43,274,245); 9. Petroleum (\$36,669,292); 10. Bread and other bakery products (\$28,112,082).
- (f) Gross value of Products:- 1. Flour and gristmills (\$180,807,549); 2. Pulp and paper mills (\$179,259,504); 3. Sawmills (\$141,929,559); 4. Slaughtering and meatpacking (\$133,740,271); 5. Butter and cheese (\$108,812,008); 6. Electric light and power (\$95,169,768); 7. Automobiles (\$88,480,418); 8. Cotton yarn and cloth (\$69,984,875); 9. Sugar refineries (\$67,292,122); 10. Rubber goods (including footwear) (\$57,411,446).



Table 6.- STATISTICS OF THE FORTY LEADING INDUSTRIES OF CANADA, 1924.

Industries	Number of Establishments	Capital \$	Employees on Salaries		Wage-earners		Cost of Materials	Gross Value of Products
			Male No.	Female No.	Male No.	Female No.		
1. Flour and grist mill products	1,309	64,356,541	984	232	5,256	137	150,056,430	180,807,549
2. Pulp and paper mills	115	459,457,696	2,528	465	23,729	905	72,233,876	179,259,504
3. Sawmills	2,761	177,480,064	1,929	242	4,101,719	-	83,141,692	141,929,559
4. Slaughtering and meat packing	74	56,675,118	2,152	404	4,814,171	498	106,764,011	133,740,271
5. Butter and cheese	2,909	34,978,103	3,433	523	3,967,463	205	83,350,620	108,812,008
6. Electric light and power	951	628,565,093	4,632	927	8,124,051	-	-	95,169,768
7. Automobiles	12	10,766,886	1,050	355	3,200,935	197	44,148,581	88,480,418
8. Cotton yarn and cloth	35	82,752,025	441	98	1,271,478	-8,012	43,274,245	69,984,875
9. Sugar refineries	7	46,229,168	285	50	834,178	97	55,071,573	67,292,122
10. Rubber goods (including footwear)	33	56,180,930	1,383	392	2,831,943	2,360	24,469,736	57,411,446
11. Castings and forgings	316	87,051,647	1,816	520	4,700,778	367	21,892,943	56,788,564
12. Electrical apparatus and supplies	109	72,301,204	2,261	779	5,329,878	2,554	24,370,996	56,496,465
13. Bread and other bakery products	2,073	32,261,401	775	235	1,549,527	1,305	28,112,082	54,403,078
14. Printing and publishing	717	47,471,351	3,815	1,336	8,123,507	1,221	13,598,789	53,033,481
15. Petroleum	17	53,095,784	352	60	866,974	23	36,669,292	48,677,347
16. Clothing, women's factory	359	21,474,070	977	628	3,227,785	8,640	25,353,454	46,100,115
17. Railway rolling stock	23	50,193,043	772	87	1,675,336	12	26,230,930	45,129,671
18. Cereals and confectionery	321	38,557,117	1,356	496	3,286,807	5,679	23,383,625	45,123,629
19. Hosiery and knit goods (including gloves)	158	47,166,581	650	366	2,145,644	6,763	24,758,031	44,505,523
20. Cigars and cigarettes	96	29,965,903	919	192	2,121,120	3,170	11,554,437	42,700,252
21. Boots and shoes (leather)	183	30,835,479	980	324	2,765,059	4,875	21,667,063	42,003,668
22. Planing mills, sash and door factories	808	48,758,072	1,054	197	2,235,197	124	23,751,819	40,500,222
23. Clothing, men's factory	170	22,976,062	945	337	2,483,722	5,149	18,245,574	36,403,293
24. Steel and rolled products, pig-iron, ferro-alloys, etc.	29	79,805,201	355	44	785,964	3	19,410,742	33,553,443
25. Breweries	57	45,375,929	544	62	1,446,096	36	15,360,618	33,532,783
26. Printing and bookbinding	786	32,831,465	1,452	525	3,793,769	2,384	10,010,846	32,466,146

Table 6.- STATISTICS OF FORTY LEADING INDUSTRIES OF CANADA, 1924. (Cont'd).

Industries	Number of Establishments	Capital \$	Employees on Salaries		Wage-earners		Cost of Materials \$	Value of Products \$
			Male No.	Female No.	Male No.	Female No.		
27. Sheet metal products	108	28,419,951	813	233	4,633	619	17,017,429	39,569,526
28. Lockery	147	53,259,470	1,348	434	6,090	220	9,681,264	28,653,108
29. Fish curing and packing	836	20,304,785	526	48	6,567	4,016	16,009,332	26,637,562
30. Agricultural implements	63	82,877,387	999	289	5,304	108	11,700,644	26,447,171
31. Acids, alkalies, salts and compressed gases	41	34,298,071	411	81	1,909	12	11,616,643	26,241,722
32. Furniture and upholstering	371	32,077,005	928	231	7,647	381	9,324,556	25,043,620
33. Leather tanneries	114	30,031,624	275	50	3,407	175	16,406,261	25,655,075
34. Finishing goods, men's	131	17,162,883	457	201	1,005	5,047	12,511,336	22,174,434
35. Paints, pigments and varnishes	55	20,587,856	599	175	1,340	173	11,674,637	20,200,624
36. Fruit and vegetable canning, evaporating and preserving	206	21,033,817	305	113	1,801	2,174	11,328,866	19,201,766
37. Gas, lighting and heating	44	42,818,276	423	369	2,853	3	6,772,576	18,101,724
38. Tobacco chewing and smoking	34	14,080,329	195	55	822	1,226	6,318,439	17,253,290
39. Scaps, washing compounds	66	16,367,069	443	158	899	404	8,782,085	15,969,519
40. Automobile supplies	60	14,894,462	247	93	2,126	157	9,336,306	15,744,308
Total, forty leading industries	16,709	2,837,155,388	45,869	12,406	256,189	71,373	1,185,529,951	2,153,330,500
Total, all industries	22,178	3,538,813,460	59,412	16,818	333,156	99,117	1,436,409,681	2,695,053,562
Percentage of forty industries to all industries	75.34	80.17	77.20	73.77	76.89	72.01	82.42	79.89



Table 7, presents statistics of capital investment in the manufacturing industries of Canada by provinces and by industrial groups for the calendar year 1924. The increase in the total capital investment over 1923 amounted to \$158,490,510 made up of \$144,800,201 fixed capital and \$13,690,309 working capital. The average capital invested in each establishment advanced from \$140,902 in 1922 to \$149,294 in 1923 and to \$159,564 in 1924 or an increase per plant of \$8,392 or 5.9 per cent in the 1922-23 period and an increase of \$10,270 or 6.9 per cent in the 1923-24 period. The increase in capital is indicative of continued improvement in manufacturing conditions throughout the Dominion.

Table 7.- Capital Employed in Manufacturing Industries, 1924.

	Establish- ments No.	Fixed Capital, Land, buildings, fixtures, machinery and tools \$	Working Capital		Total Capital \$
			Materials on hand, stocks in process, finished products etc.	Cash, trading and operating accounts and bills receivable \$	
CANADA	22,178	2,310,298,012	677,168,191	551,347,257	3,538,813,460
(a) by Provinces					
Prince Edward Island	313	1,646,314	490,587	500,943	2,637,844
Nova Scotia	1,166	85,607,078	14,496,013	8,432,182	108,535,273
New Brunswick	846	60,362,972	18,175,895	9,818,951	88,357,818
Quebec	6,847	692,708,095	192,220,364	159,185,510	1,044,113,969
Ontario	9,453	1,145,162,787	376,752,671	314,354,093	1,836,269,551
Manitoba	768	77,810,960	17,439,314	14,761,328	110,011,602
Saskatchewan	645	21,446,437	5,948,543	2,874,567	30,269,547
Alberta	739	48,130,591	12,691,979	6,743,409	67,565,979
British Columbia and Yukon	1,401	177,422,778	38,952,825	34,676,274	251,051,377
(b) by Industrial Groups					
Vegetable products	4,414	237,447,086	100,438,616	77,036,910	414,922,612
Animal products	4,816	101,931,679	61,374,041	45,160,946	208,466,666
Textiles and textile products	1,781	148,844,590	84,689,184	65,132,168	298,665,942
Wood and paper products	6,906	588,308,920	176,736,785	114,261,556	879,307,261
Iron and its products	1,003	294,338,935	121,587,286	119,998,130	535,924,351
Non-ferrous metal products	341	56,995,629	31,034,960	26,324,382	114,354,971
Non-metallic mineral products	1,095	179,493,314	37,958,079	18,161,710	235,613,111
Chemicals and allied products	457	68,070,747	27,654,866	30,770,072	126,495,685
Miscellaneous industries	1,365	634,867,112	35,694,374	54,501,375	725,062,861

## EMPLOYMENT STATISTICS

The number of persons employed in the manufacturing industries of Canada in 1924 exclusive of outside piece-workers was 506,503 as compared with 525,267 in 1923, 462,573 in 1922 and 439,889 in 1921. Of those employed in 1924 the number on salaries totalled 76,230 of which 59,412 were males and 16,818 females, whilst those employed on wages numbered 432,273 of whom 333,156 were males and 99,117 females. The figures relating to wage-earners are averages for the year and are ascertained by dividing the total number employed by months during the year by twelve.

The average number of employees per establishment which had risen from 21 in 1922 to 23.2 in 1923 fell in 1924 to 22.9, whilst the average payment in salaries and wages per establishment rose from \$22,645 in 1922 to \$25,240 in 1923 and to \$25,245 in 1924. The average salary per employee advanced from \$1,791.28 in 1922 to \$1,823.60 in 1923 and to \$1,831.49 in 1924, whilst the average wage per employee rose from \$939.32 in 1922 to \$959.14 in 1923 and to \$972.23 in 1924. The total amount paid for all services in 1924 was \$559,664,045 of which \$139,614,639 represented salaries and \$420,269,406 represented wages.

Pieceworkers employed outside the establishment totalled 7,674 of whom 2,951 were males and 4,723 females, whilst the total payments to such out-workers amounted to \$1,485,422. In Table 8 below the statistics of employment are shown by provinces and by groups of industries. The province of Ontario furnished nearly 50 per cent of the number employed and paid 53 per cent of the total cost of salaries and wages. The second with over 31 per cent of the number employed and 29 per cent of the cost of salaries and wages. Of the industrial groups, wood and paper furnished employment to the highest number having 25 per cent of the total followed in order by the textile group with 17.7 per cent and the iron and steel group with 15.4 per cent.

Table 8.- Employees, Salaries and Wages, 1924.

(a) Provinces	Employees on Salaries		Total Salaries \$	Employees on Wages		Total Wages \$
	Male No.	Female No.		Male No.	Female No.	
Prince Edward Island	161	24	148,619	1,201	685	399,877
New Brunswick	1,136	354	2,238,180	11,576	3,027	9,315,720
Quebec	1,217	334	2,648,889	10,894	3,360	10,163,829
Ontario	16,743	4,139	38,146,425	101,272	39,498	124,232,859
Manitoba	31,663	10,128	77,490,023	164,768	46,037	219,018,690
Saskatchewan	2,538	705	5,760,287	9,135	2,400	12,946,455
Alberta	963	165	1,888,873	2,741	282	3,655,543
British Columbia and Yukon	1,520	307	3,326,837	5,385	938	7,382,303
	3,471	662	7,966,506	26,164	2,690	33,153,930
CANADA, totals	59,412	16,818	139,614,639	333,156	99,117	420,269,406



Table 8.—EMPLOYEES, SALARIES AND WAGES, 1924. Cont'd.

(b) Groups of Industries	Employees on Salaries		Total Salaries \$	Employees on Wages		Total Wages \$
	Male No.	Female No.		Male No.	Female No.	
Vegetable products	7,805	2,112	18,379,524	38,795	17,471	52,258,780
Animal products	8,424	1,676	15,522,291	35,556	12,123	37,747,911
Textiles and textile products	5,369	2,521	15,413,471	33,528	48,836	62,511,278
Wood and paper products	13,937	3,735	33,480,338	100,720	9,159	115,048,737
Iron and its products	8,865	2,536	22,559,893	64,351	2,561	77,007,617
Non-ferrous metal products	3,301	1,156	8,056,012	13,793	3,420	18,062,827
Non-metallic mineral products	2,286	704	5,614,161	19,862	1,334	23,945,585
Chemicals and allied products	2,695	900	7,230,799	7,688	2,513	9,843,730
Miscellaneous industries	6,729	1,478	13,358,150	18,863	1,700	23,842,941
TOTAL	52,412	16,813	139,614,639	333,156	92,117	420,269,406

Another view of the trend of employment is afforded by comparing the index numbers of employment in the manufacturing groups of industries by months for the calendar years 1921, 1922, 1923 and 1924 as presented in Table 9.

Table 9.—Index Numbers of Employment in the Manufacturing Groups of Industries by Months for the Calendar Years, 1921, 1922, 1923 and 1924.

Months	1921	1922	1923	1924
January	78.4	68.7	78.1	80.1
February	84.8	73.0	85.0	84.9
March	84.6	78.1	87.5	86.0
April	80.7	78.0	85.6	86.5
May	80.2	79.0	90.5	87.7
June	81.1	84.2	93.5	88.4
July	80.9	84.2	93.6	87.7
August	81.3	85.8	93.5	86.2
September	79.3	86.5	93.0	84.5
October	81.3	86.7	91.8	85.7
November	81.1	87.7	91.2	84.2
December	79.3	87.7	90.2	82.9

## FUEL USED

The fuel used by Canadian industrial establishments in 1924 is presented in Table 10, by provinces and industrial groups, coal and its derivative coke accounted for 73.5 per cent of the total value of fuel consumed and included 5,518,255 tons of bituminous coal valued at \$34,438,554. Oil for fuel comes next in order to bituminous coal, the value in 1924 amounting to \$5,780,752 as against an expenditure of \$5,649,071 in 1922 and \$5,417,800 in 1921. Of the total fuel used the province of Ontario expended therefore \$28,299,379 or nearly 49.6 per cent, Quebec being next with \$16,069,367 or 28.2 per cent, followed in order by British Columbia with 5.2 per cent and Nova Scotia with 5.16 per cent.

The groups of industries using fuel most extensively in 1924 were wood and paper to the value of \$14,875,287 or approximately 25 per cent, non-metallic mineral products being next with \$13,514,378 or 23.7 per cent, iron and its products next with \$9,593,207 or 16.8 per cent followed by vegetable products with \$6,580,906 or 11.5 per cent.

Table 10.- Fuel Consumption by Provinces and Groups of Industries, 1924.

Provinces	Bituminous Coal		Anthracite and Lignite coal	Coke	Oil	Gas	Gasoline, wood, and other fuels	Total
	Quantity Tons	Value \$						
Prince Edward Island	3,896	38,593	31,946	1,363	2,831	-	19,680	94,413
Nova Scotia	222,540	1,218,827	224,442	43,795	673,780	653,730	128,735	2,943,309
New Brunswick	227,813	1,451,111	194,344	22,609	29,273	16,037	167,554	1,880,928
Quebec	1,423,308	9,934,148	1,576,828	443,839	1,957,217	874,774	1,302,561	16,089,367
Ontario	3,211,272	19,522,376	1,221,376	1,433,577	1,547,965	2,535,533	2,038,552	28,299,379
Manitoba	71,128	541,957	534,968	153,636	121,034	133,167	189,298	1,674,060
Saskatchewan	20,296	164,180	796,521	5,623	464,424	49,901	159,732	1,640,381
Alberta	123,506	458,144	622,797	18,054	115,115	182,875	82,197	1,479,182
British Columbia and Yukon	214,496	1,109,218	66,927	127,736	869,113	265,169	529,032	2,967,195
TOTALS	5,518,255	34,438,554	5,270,149	2,250,232	5,780,752	4,711,186	4,617,341	57,068,214
<u>Industrial Groups</u>								
Vegetable products	657,592	3,767,137	802,328	408,926	540,817	395,117	666,581	6,580,906
Animal products	341,127	2,106,713	368,436	31,861	76,778	33,781	805,968	3,423,537
Textiles and textile products	392,650	2,676,732	302,332	44,064	58,919	75,648	210,102	3,367,797
Wood and paper products	1,611,051	11,166,678	1,049,888	32,883	1,099,594	115,859	1,410,385	14,875,287
Iron and its products	1,067,773	6,292,995	383,432	446,091	1,192,920	894,894	382,875	9,593,207
Non-ferrous metal products	83,831	538,205	74,258	67,803	231,109	119,348	27,582	1,058,305
Non-metallic mineral products	1,082,760	6,164,002	223,279	1,073,471	2,258,939	3,008,275	786,412	13,514,378
Chemicals and allied products	230,533	1,372,472	112,642	117,712	95,384	19,771	50,742	1,768,723
Miscellaneous industries	50,938	353,620	1,953,554	27,421	226,292	48,493	276,694	2,086,074



## POWER EQUIPMENT OF INDUSTRIES

The statistics of power equipment in the manufacturing industries of Canada are presented in Table 11. These comprise all of such industries operating during 1924 and include central electric stations which produce electric energy for driving the machinery of other industries and for lighting purposes. The equipment driven by electricity purchased from central electric stations is shown in column 5 and so as to show only net figures in column 8 for the total power equipment employed, the amounts in column 5 marked # have been excluded from the totals in column 8. The total equipment for each of the groups of industries except "Miscellaneous Industries" which includes central electric stations, includes the motors driven by such purchased power.

The net increase in all power equipment reported compared with that of 1923 was 438,276 h.p. but the increase for central electric stations was 444,135 h.p., thus other manufacturing industries showed a net decrease of 5,859 h.p., which was distributed among the various groups of industries. Steam engines and turbines increased by 116,397 h.p. or 14 per cent, internal combustion engines by 8,471 h.p. or 13.2 per cent and water wheels/turbines, principally through the increased development in the central electric station and pulp and paper industries, showed an increase of 413,408 h.p. or 14.4 per cent. This increase in water wheels and turbines was reflected in the increased use of electricity as driving power in industries; electric motors increased in total capacity by 338,356 h.p., or around 25 per cent, increases being recorded for all groups except the chemical and miscellaneous groups. All of the groups, however, showed increases in total power equipment employed.

Table 11.- Power Equipment of Manufacturing Industries of Canada, by Provinces and Groups of Industries, 1924.

(a) Provinces	Steam engines and Turbines H.P.	Internal Combustion Engines H.P.	Hydraulic Turbines or Water Wheels H.P.	Total Primary Power H.P.	Electric Motors		Total Electric Motors H.P.	Total Power Equipment for manufacturing purposes H.P.
					Operated by purchased power H.P.	Operated by power generated by establishment H.P.		
Prince Edward Island	Col. 1 1,588	Col. 2 1,341	Col. 3 1,773	Col. 4 4,702	Col. 5 170	Col. 6 -	Col. 7 170	Col. 8 4,702 #
Nova Scotia	94,609	3,657	40,440	138,706	14,161	35,228	49,389	138,706 #
New Brunswick	62,699	3,146	35,561	101,406	5,012	23,941	28,953	101,406 #
Quebec	178,227	8,653	1,242,139	1,429,019	366,710	139,461	506,171	1,429,019 #
Ontario	319,300	32,471	1,475,536	1,827,307	758,250	138,080	896,330	1,827,307 #
Manitoba	42,918	1,995	145,627	190,540	34,591	673	35,264	190,540 #
Saskatchewan	51,523	10,461	2	61,986	9,516	80	9,596	61,986 #
Alberta	71,613	5,713	133,556	110,882	20,808	3,317	24,125	110,882 #
British Columbia and Yukon	121,790	5,054	308,512	435,356	46,965	57,221	104,186	435,356 #
TOTALS	944,267	72,491	3,283,146	4,299,904	1,256,183	398,001	1,654,184	4,299,904 #
(b) Groups of Industries								
Vegetable Products	59,849	9,466	41,827	111,142	147,577	23,644	171,221	258,719
Animal Products	24,818	4,653	1,562	31,033	58,458	3,993	62,451	89,491
Textiles and Textile Products	28,042	1,240	28,992	58,274	81,208	23,281	104,489	139,842
Wood and Paper Products	362,083	13,406	435,052	810,541	405,147	236,921	642,068	1,215,688
Iron and Its Products	121,907	19,477	5,012	146,396	204,559	67,923	272,482	350,955
Non-ferrous metal Products	7,668	183	55,450	63,301	40,709	15,613	56,322	104,010
Non-metallic Mineral Products	26,224	5,268	894	32,386	243,884	20,253	264,137	276,270
Chemicals and Allied Products	14,752	389	6,400	21,547	38,323	4,923	43,246	59,870
Miscellaneous Industries	256,918	18,409	2,707,257	3,025,234	36,316	1,450	37,766	3,025,284 #



Urban Statistics of Manufactures, 1924

The statistics of manufactures in urban centres having a population of 10,000 or over are presented in Table 12 for the calendar year 1924. In the 54 cities of the above stated population the value of manufactured products amounted to \$1,774,821,416, equivalent to 65.85 per cent of the total of all industries in the Dominion. The other percentages in the 54 cities to the total for the Dominion were in the number of establishments 36.48, in capital invested 58.98, in the number employed 65.70, in salaries and wages 69.01 and in the cost of materials 64.60. Comparing the percentages of the 54 cities with those for 1923, there was an increase of 1.48 p.c. in the number of establishments, of 2.48 p.c. in capital investment, of 2.30 p.c. in the number of persons employed, of 3.11 p.c. in the amount paid for salaries and wages, of 2.00 p.c. in the cost of materials and of 2.55 p.c. in the gross value of products.

Table 12- Statistics of Manufactures by Cities and Towns of 10,000 population and over, 1924.

Cities and Towns	Estab- lish- ments No.	Capital \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
<u>P. E. Island</u>						
Charlottetown.....	34	1,562,249	362	314,122	748,724	1,444,787
<u>Nova Scotia</u>						
Glace Bay.....	7	254,277	55	64,524	60,733	252,560
Halifax.....	84	19,050,719	2,806	2,608,747	4,211,375	10,131,247
Sydney.....	27	21,926,628	1,604	1,453,032	8,330,710	6,540,934
<u>New Brunswick</u>						
Moncton.....	39	2,980,435	887	790,692	1,491,282	2,846,907
St. John.....	127	29,294,398	3,711	3,573,265	18,608,867	26,552,152
<u>Quebec</u>						
Hull.....	39	15,638,376	2,590	2,262,534	5,262,343	10,056,907
Lachine.....	22	14,783,060	1,979	2,788,494	3,821,347	10,152,330
Levis.....	15	587,198	166	97,936	173,483	395,731
Montreal.....	1,560	469,354,640	86,648	94,725,516	224,134,382	444,852,084
Quebec.....	224	42,168,804	8,795	7,798,341	12,565,194	29,362,009
St. Hyacinthe.....	48	8,315,516	2,679	1,742,476	4,391,159	7,913,440
Shawinigan Falls...	19	41,435,414	2,566	3,266,978	7,231,065	21,205,310
Sherbrooke.....	65	20,156,462	3,243	3,143,729	5,242,781	10,881,569
Three Rivers.....	45	50,319,218	5,365	5,524,074	12,052,500	28,903,467
Verdun.....	6	1,383,041	541	418,184	988,268	1,635,199
<u>Ontario</u>						
Belleville.....	56	8,433,586	3,963	4,595,943	1,174,530	4,435,437
Brantford.....	109	47,565,492	5,468	5,888,213	11,726,136	24,081,367
Brockville.....	39	6,474,891	918	962,990	3,739,166	5,878,086
Chatham.....	64	15,166,692	1,903	2,310,948	10,042,963	14,898,988
Port William.....	42	20,852,163	1,140	1,240,854	5,337,976	9,631,695
Gait.....	77	14,098,123	3,085	3,187,341	5,502,663	11,063,144
Guelph.....	94	16,798,894	3,719	3,879,765	8,017,368	18,109,812
Hamilton.....	427	170,993,755	23,772	28,513,251	56,884,010	118,591,000
Kingston.....	62	10,201,475	1,737	1,865,189	3,874,567	7,339,418
Kitchener.....	129	33,046,372	6,237	6,798,544	14,158,694	31,823,570
London.....	219	39,445,266	8,040	8,918,977	15,055,244	32,766,596
Niagara Falls.....	54	29,396,475	2,521	3,565,271	12,970,972	26,572,951
North Bay.....	18	1,085,735	186	191,895	284,618	860,084
Oshawa.....	35	21,311,534	4,554	5,301,282	25,996,264	37,918,699
Ottawa.....	203	45,000,506	7,294	8,291,483	13,565,162	28,345,275
Owen Sound.....	49	7,146,388	1,341	1,443,684	1,957,410	4,224,576
Peterboro.....	78	27,157,129	4,568	4,502,044	19,625,553	30,007,359
Port Arthur.....	24	9,816,233	885	1,143,673	1,452,163	4,814,313
St. Catharines.....	96	17,778,985	2,977	3,225,659	4,454,226	11,378,100
St. Thomas.....	47	4,061,783	941	987,693	2,668,275	4,761,666
Sarnia.....	40	18,247,756	2,534	3,535,866	12,695,198	19,034,103
Sault Ste Marie....	41	60,917,542	2,022	3,716,873	12,916,763	24,211,177
Stratford.....	68	7,352,467	1,883	2,047,072	4,535,951	8,468,162
Toronto.....	1,928	410,244,068	80,001	96,554,310	213,493,889	401,367,127
Windsor.....	117	19,201,885	2,954	4,275,830	7,277,441	17,091,127





IN LIBRARY  
UNIVERSITY OF TORONTO

Dec 5/27

CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

ANNUAL REPORT  
on the  
GENERAL MANUFACTURES  
of  
CANADA  
1925

+ +

Published by authority of the Hon. James Malcolm, M. P.,  
Minister of Trade and Commerce

\*\*\*

OTTAWA

1927





CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.  
Chief, Census of Industry: J. G. Macpherson

MANUFACTURES OF CANADA, 1925

Ottawa, November, 1927. The ninth annual report on the manufacturing industries of Canada for the year ending 31st December, 1925 is herewith presented, the principal statistical features of which are outlined below:-

RECEIVED  
JAN 10 1928  
UNIVERSITY OF TORONTO

E r r a t a

GENERAL MANUFACTURES OF CANADA, 1925.

For paragraph 2 on page 2 of the above report please substitute the following:-

\_\_\_\_\_ 0000 \_\_\_\_\_

Power Installation:- The total horse power installed in the manufacturing plants of Canada in 1925 was 5,083,107 of which steam engines and turbines accounted for 992,916 h.p., internal combustion engines for 77,435 h.p. and hydraulic turbines or waterwheels for 4,012,756. In 1924 power used in manufactures totalled 4,299,904 h.p. of which 944,267 h.p. was developed by steam, 3,283,146 by water and 72,491 h.p. by internal combustion.

... of deducting the cost of materials from the gross value of products, was 360,879,907 in 1925. This added value represented 46.15 per cent of the gross value in 1925 and 46.62 per cent in 1924 or a variation of 10.47 per cent.

e: In the 1925 report the statistics of non-ferrous metal, smelting and refining have been included which in preceding years were reported under mining production.



1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

**Fuel Consumption:-** The cost value at the works of the various classes of fuel used in Canadian manufacturing industries in 1925 amounted to \$57,813,701 as compared with an outlay of \$57,068,214 in 1924. Bituminous coal was the principal fuel of which 5,902,197 tons valued at \$34,034,531 were used during the year being 58.8 per cent of the total cost of all fuel. Oil occupies second position with a total cost of \$7,246,961 or 12.5 per cent. Anthracite and lignite coal (\$3,222,776), coke (\$5,045,239), and gasoline (\$766,712) were the remaining principal fuels.

**Power Installation:-** The total horse power installed in the manufacturing plants of Canada in 1925 was 6,630,861 of which steam engines and turbines accounted for 992,916 h.p., internal combustion engines for 77,435 h.p., hydraulic turbines or waterwheels for 4,012,756 h.p. <sup>by water</sup> In 1924 power used in manufactures totalled 4,299,904 h.p. of which 944,267 h.p. was developed by steam, 4,012,560 h.p. by water and 72,497 h.p. by internal combustion.

### Comparative Summary of Recent Manufacturing Statistics

A comparative study of the principal statistics of the manufacturing industries of Canada in recent years is afforded in Table 1. The years for which these statistics are presented, are the three last annual censuses and show the increase or decrease by percentages of the principal items.

Table 1.- Principal Statistics compared for 1923, 1924, and 1925.

Items	1923	1924	Increase (+) or decrease (-) p.c. 1923-24	1925	Increase (+) or decrease (-) p.c. 1924-25
Establishments No.	22,642	22,178	- 2.05	22,331	+ .70
Capital invested \$	3,380,322,950	3,538,813,460	+ 4.69	3,808,309,981	+ 7.61
Average capital per establishment \$	149,295	159,564	+ 6.79	170,538	+ 6.91
Employees on Salaries No.	78,273	76,230	- 2.61	77,623	+ 1.83
Salaries \$	142,738,681	139,614,639	- 2.19	143,056,516	+ 2.47
Average salaries \$	1,824	1,831	+ .38	1,843	+ .66
Employees on wages No.	446,994	432,273	- 3.29	466,602	+ 7.94
Wages \$	428,731,347	420,269,406	- 1.98	452,958,655	+ 7.78
Average wages \$	959	972	+ 1.35	971	- .10
Cost of materials \$	1,470,140,139	1,438,409,681	- 2.16	1,587,665,408	+ 10.37
Average cost of materials per establishment \$	64,930	64,858	- .11	71,097	+ 9.62
Value of products \$	2,781,165,514	2,695,053,582	- 3.09	2,948,545,315	+ 9.46
Average value of products per establishment \$	122,832	121,519	- 1.07	132,036	+ 8.65
Value added by manufacture \$	1,311,025,375	1,256,643,901	- 4.15	1,360,879,907	+ 8.29





Table 2 presents a classification of the principal statistics of the manufacturing industries of Canada according to origin. Products of farm origin in 1925 were valued at \$1,201,238,945 and represented 40.7 per cent of the total of all production. Of the above total value of products of farm origin \$20,753,742 was of Canadian origin and \$280,485,203 of foreign origin. The principal items of Canadian farm origin were - flour and cereals (\$187,944,731), meats, etc. (\$363,816,810), butter and cheese (\$124,828,754), bread, biscuits and confectionery (\$107,137,794), tobacco, cigars, etc. (\$60,153,779), and boots and shoes of leather (\$40,022,515) whilst those of foreign origin were cotton goods (\$72,781,517), sugar (\$68,445,879), rubber goods (\$78,229,574) and coffee and spices (\$14,469,009).

Next to the products of farm origin were those of mineral origin totalling \$624,844,824, and comprising iron and steel products (\$411,378,640), non-metallic minerals (\$144,248,592), non-ferrous metals (\$159,770,026) and chemical products (\$112,906,746).

Products of forest origin occupied third place with a total value of \$554,780,531 and comprises pulp and paper (\$193,092,937), saw mill products (\$134,413,845), printing and publishing (\$53,886,802), planing mill products (\$40,009,152), printing and bookbinding (\$31,172,495) and furniture (\$27,110,462).

Products of the farm, the mine and the forest together show a production of \$2,580,864,300 or over 87 per cent of the total of all manufacturing production in 1925 amounting to \$2,948,545,315.

TABLE 2.- PRINCIPAL STATISTICS OF THE MANUFACTURING INDUSTRIES OF CANADA  
Classified According to Origin of the Products, for calendar year 1925.

Classified According to Origin of the Products, for calendar year 1925.										
Origins	Number of Establishments	Capital	Employees on Salaries		Employees on Wages		Cost of Materials	Gross Value of Products		
			Male No.	Female No.	Male No.	Female No.				
									Y	Y
1. Farm Origin	22,331	3,808,309,981	60,385	17,238	359,595	107,007	452,958,655	1,507,665,408	2,940,545,315	
(a) From Field Crops										
Canadian Origin	4,724	550,930,521	8,508	2,337	55,570	30,682	70,527,307	475,475,138	740,746,517	
Foreign Origin	4,459	310,364,866	5,730	1,539	31,123	16,546	39,038,692	296,599,421	402,741,197	
(b) From Animal Husbandry	265	240,565,655	2,778	798	24,447	14,136	31,488,615	178,875,717	213,501,840	
Canadian Origin	4,123	252,860,383	9,141	1,975	37,146	16,458	48,589,956	329,853,432	460,491,940	
Foreign Origin	4,112	243,656,159	9,027	1,923	36,594	15,449	47,500,215	326,492,597	453,000,502	
(c) Total Farm Origin	11	9,224,224	114	52	552	1,009	1,089,741	3,361,035	5,403,363	
Canadian Origin	8,847	803,810,904	17,649	4,312	92,716	47,140	119,117,263	605,328,570	1,201,238,945	
Foreign Origin	8,571	554,021,025	14,757	3,462	31,663,441	31,995	86,538,907	623,091,818	920,753,742	
(d) From Life Origin	276	249,789,879	2,892	850	7,362,056	15,145	32,578,356	182,236,752	200,405,483	
Wild Life Origin	228	11,714,850	310	166	831,901	1,192	2,576,144	9,400,529	15,674,070	
Marine Origin	646	21,139,985	574	58	806,418	6,623	4,164,749	18,680,686	30,360,992	
Forest Origin	6,617	904,101,837	13,315	3,774	32,579,208	9,032	115,043,541	245,601,698	394,700,131	
Mineral Origin	3,098	1,119,830,868	18,673	5,289	46,473,314	9,280	153,685,543	400,883,859	624,844,624	
Mixed Origin	1,666	220,990,450	5,302	2,475	14,835,570	33,740	48,120,116	107,682,066	218,537,471	
Electric Light and power	1,007	726,721,087	4,562	1,164	8,504,608	-	10,251,299	-	102,507,662	





another presentation showing the classification of manufactured goods based on the purpose of the chief product for the calendar year 1929 is given in Table 3.

Ranked in order of the value of gross production, producer's materials stand first with a total value of \$853,574,322 or 26.9 per cent, followed by the food group with a total of \$773,424,922 or 26.2 per cent, the industrial equipment group third, with a total of \$447,175,030 or 15.17 per cent and the clothing group fourth, with a total of \$275,711,909 or 9.35 per cent.

An analysis of the relative standing of the two purpose groups of more general interest is here presented. The food group of industries had a gross production of 26.2 per cent of the output of all Canadian manufacturing concerns as compared with 9.35 per cent for the clothing group. It will be noted that the much greater production in the food group was in part due to the higher cost of raw materials in that group as compared with the cost of such materials in the clothing group, the value added by the processes of manufacture being 14.26 per cent of the total for all industries for the food group as compared with a percentage of 9.9 for the clothing group. The clothing group maintains a larger payroll than the food group despite the fact that a smaller output was recorded than for the food group, the anomaly being explained by the greater prevalence of female labour in the clothing industries. The total payroll compared for the two groups to the total of all groups of industries was 15.27 per cent for the food group and 16.19 per cent for the clothing group.

Table 33.- Principal Statistics of the Manufacturing Industries of Canada, classified according to the Purpose of the Principal Products, for the calendar year 1929.

	Estab-lish-ments	Capital	Employees on Salaries		Employees on Wages		Cost of Materials	Gross Value of products
			Male No.	Female No.	Male No.	Female No.		
TOTAL	22,331	3,868,309,981	60,385	17,238	359,595	107,007	452,958,655	2,948,545,315
Food								
Clothing	8,264	373,825,362	10,955	2,385	50,984	20,272	53,887,706	773,424,922
Brim and Tobacco	1,820	203,546,060	5,851	2,806	30,158	45,382	61,618,150	274,711,909
Personal Utilities	543	132,329,719	2,225	299	7,851	4,510	10,451,982	45,204,177
House Furnishings	369	48,340,883	1,214	554	6,132	1,775	7,956,227	44,649,534
Books and Stationery	548	63,734,869	1,477	447	12,046	1,498	12,521,317	57,137,521
Vehicles and Vessels	1,644	103,942,573	6,067	2,392	17,014	5,026	26,497,570	109,805,058
Producer's Materials	944	260,962,556	4,284	841	40,256	1,319	51,824,159	243,034,747
Industrial Equipment	5,723	1,349,435,816	13,062	2,732	135,951	19,115	154,127,946	843,574,322
Miscellaneous	2,319	1,242,146,247	14,537	4,400	56,835	7,183	71,334,893	447,175,030
	157	30,045,896	713	282	2,368	927	2,736,705	27,116,669





Table 4 presents the principal statistics of the manufacturing industries of Canada for the calendar year 1925, by provinces and by groups of industries classified according to chief component materials. The province of Ontario ranks first in production with 51.79 per cent of the total for the Dominion, Quebec being second with 27.83 per cent, whilst the remaining provinces follow in the order named:- British Columbia 7.42 per cent, Manitoba 4.21 per cent, Alberta 2.54 per cent, New Brunswick 2.49 per cent, Nova Scotia 2.21 per cent, Saskatchewan 1.36 per cent and P. E. Island .14 per cent.

In the industrial group classification first place is taken by the Vegetable products group having 21.44 per cent of the total of all groups. The wood and paper group is second with 18.90 per cent, animal products third with 14.64 per cent, iron and steel products fourth with 13.95 per cent, textile products fifth with 11.44 per cent followed in order by the miscellaneous group with 5.49 per cent, the non-ferrous metal group with 5.42 per cent, the non-metallic mineral group with 4.89 per cent, the chemical products group last with 3.63 per cent.

Table 4.- Summary of Principal Statistics of the Manufacturing Industries of Canada, 1925, by Provinces and Industrial Groups.

Establish-ments	Capital		Salaried Employees		Wage-earners		Cost of materials	Value of products		
	No.	£	Male		Female				Wages	
			No.	No.	No.	No.				
CANADA										
(a) Provinces										
Prince Edward Island	318	2,576,677	163	27	151,089	1,227	900	421,041	2,005,665	4,290,149
Nova Scotia	1,184	117,326,491	1,188	360	2,362,646	11,773	3,247	9,720,047	37,854,196	65,033,701
New Brunswick	861	91,509,933	1,313	331	2,870,937	12,010	3,621	11,559,315	44,886,292	73,374,660
Quebec	6,995	1,136,033,133	16,836	4,068	39,349,016	106,199	41,142	130,337,039	412,460,003	820,563,757
Ontario	9,386	1,925,593,482	31,644	10,515	77,806,238	171,564	48,760	229,497,769	828,939,660	1,527,194,660
Manitoba	769	120,362,238	2,775	693	6,299,535	13,841	2,714	18,986,638	71,683,113	124,145,763
Saskatchewan	650	31,607,896	1,001	176	1,989,405	2,913	312	3,766,224	24,353,581	40,093,273
Alberta	734	69,805,848	1,634	332	3,434,193	6,389	1,009	8,351,411	45,855,910	75,113,517
British Columbia and Yukon	1,434	313,494,283	3,831	736	8,793,457	33,679	5,302	40,319,171	118,826,980	216,775,835
(b) Groups of Industries										
Vegetable Products	4,558	439,490,764	7,685	2,104	10,584,887	42,202	19,964	54,211,770	404,664,007	632,211,264
Animal Products	4,892	210,015,438	8,529	1,689	15,587,875	38,457	15,000	39,697,583	315,914,684	431,778,163
Textiles and Textile Products	1,640	305,776,409	5,301	2,537	15,317,622	35,187	51,506	66,256,366	193,230,560	337,180,604
Food and Paper Products	6,652	907,204,530	13,395	3,802	32,761,145	101,530	9,132	115,696,603	246,551,591	557,194,453
Iron and Steel Products	1,075	567,912,477	9,676	2,514	24,316,566	75,166	2,769	93,325,904	206,337,132	411,378,640
Non-Ferrous Metal Products	378	181,600,227	3,888	1,247	9,570,624	18,934	3,666	26,143,279	74,068,260	159,770,026
Non-metallic Mineral Products	1,191	239,823,825	2,543	640	5,797,692	20,394	891	24,094,967	65,278,752	144,246,592
Chemicals and Chemical Products	510	126,483,348	2,823	1,006	7,604,298	7,706	2,416	9,864,859	56,299,219	112,906,746
Miscellaneous Industries	1,435	830,002,963	6,545	1,699	13,515,807	19,939	1,663	23,667,324	25,292,323	161,860,747





# CONSUMPTION OF MANUFACTURED PRODUCTS, 1925.

The consumption of manufactured products is made possible by the placing of the classification of external trade and production on a common basis. Table 5 gives the value of goods manufactured in Canada (Col. 1) which added to the value imported for consumption (Col. 2) less the exports of manufactured and partly manufactured goods (Col. 3) leaves the value of manufactured products available for consumption (Col. 4). In 1925 vegetable products were first in value of goods made available for consumption with iron and steel and textiles in second and third positions. The total for all groups available for consumption amounted to \$2,927,553,393 in 1925, as against \$2,680,321,820 in 1924, and \$2,828,679,833 in 1923. It should be observed that considerable duplication occurs in the value of manufactured products where several processes are performed upon a commodity before it is ready for ultimate use.

Table 5.- Consumption of Manufactured Products in Canada, 1925.

	Value of manufactured goods	Manufactured and Partly Manufactured Goods		Value of Products available for consumption
		Imports	Exports	
Vegetable Products	\$ 632,211,264	112,567,721	146,052,587	\$ 598,726,398
Animal Products	431,778,163	24,088,734	113,075,195	342,791,702
Textile Products	337,188,684	142,236,709	6,597,159	472,828,234
Wood and Paper Products	557,194,453	39,705,788	257,047,423	339,852,818
Iron and Its Products	411,378,640	179,176,515	74,718,455	515,836,700
Non-Ferrous Metal Products	159,770,026	44,524,299	53,278,278	151,016,047
Non-Metallic Mineral Products	144,248,592	48,039,815	8,246,663	184,041,744
Chemical and Allied Products	112,906,746	28,404,276	17,493,628	123,817,394
Miscellaneous Industries	161,868,747	53,188,506	16,414,897	198,642,356
TOTAL	2,948,545,315	671,932,363	692,924,285	2,927,553,393

Note - Statistics of manufactured products are for the calendar year 1925. Imports and exports of manufactured and partly manufactured goods are for the fiscal year ended March 31, 1926.



Date		Description		Amount	
1900	Jan 1	Balance		100.00	
	Jan 10	Deposited	50.00		150.00
	Jan 20	Withdrawal	25.00		125.00
	Jan 30	Deposited	75.00		200.00
	Feb 10	Withdrawal	30.00		170.00
	Feb 20	Deposited	60.00		230.00
	Feb 30	Balance		230.00	
1901	Mar 1	Balance		230.00	
	Mar 15	Deposited	40.00		270.00
	Mar 25	Withdrawal	15.00		255.00
	Apr 5	Deposited	80.00		335.00
	Apr 15	Withdrawal	20.00		315.00
	Apr 25	Deposited	55.00		370.00
	May 5	Withdrawal	35.00		335.00
	May 15	Deposited	65.00		400.00
	May 25	Withdrawal	45.00		355.00
	Jun 5	Deposited	70.00		425.00
	Jun 15	Withdrawal	50.00		375.00
	Jun 25	Deposited	85.00		460.00
	Jul 5	Withdrawal	60.00		400.00
	Jul 15	Deposited	90.00		490.00
	Jul 25	Withdrawal	70.00		420.00
	Aug 5	Deposited	100.00		520.00
	Aug 15	Withdrawal	80.00		440.00
	Aug 25	Deposited	110.00		550.00
	Sep 5	Withdrawal	90.00		460.00
	Sep 15	Deposited	120.00		580.00
	Sep 25	Withdrawal	100.00		480.00
	Oct 5	Deposited	130.00		610.00
	Oct 15	Withdrawal	110.00		500.00
	Oct 25	Deposited	140.00		640.00
	Nov 5	Withdrawal	120.00		520.00
	Nov 15	Deposited	150.00		670.00
	Nov 25	Withdrawal	130.00		540.00
	Dec 5	Deposited	160.00		700.00
	Dec 15	Withdrawal	140.00		560.00
	Dec 25	Deposited	170.00		730.00
	1902 Jan 5	Withdrawal	150.00		580.00
	Jan 15	Deposited	180.00		760.00
	Jan 25	Withdrawal	160.00		600.00
	Feb 5	Deposited	190.00		790.00
	Feb 15	Withdrawal	170.00		620.00
	Feb 25	Deposited	200.00		820.00
	Mar 5	Withdrawal	180.00		640.00
	Mar 15	Deposited	210.00		850.00
	Mar 25	Withdrawal	190.00		660.00
	Apr 5	Deposited	220.00		880.00
	Apr 15	Withdrawal	200.00		680.00
	Apr 25	Deposited	230.00		910.00
	May 5	Withdrawal	210.00		700.00
	May 15	Deposited	240.00		940.00
	May 25	Withdrawal	220.00		720.00
	Jun 5	Deposited	250.00		970.00
	Jun 15	Withdrawal	230.00		740.00
	Jun 25	Deposited	260.00		1000.00
	Jul 5	Withdrawal	240.00		760.00
	Jul 15	Deposited	270.00		1030.00
	Jul 25	Withdrawal	250.00		780.00
	Aug 5	Deposited	280.00		1060.00
	Aug 15	Withdrawal	260.00		800.00
	Aug 25	Deposited	290.00		1090.00
	Sep 5	Withdrawal	270.00		820.00
	Sep 15	Deposited	300.00		1120.00
	Sep 25	Withdrawal	280.00		840.00
	Oct 5	Deposited	310.00		1150.00
	Oct 15	Withdrawal	290.00		860.00
	Oct 25	Deposited	320.00		1180.00
	Nov 5	Withdrawal	300.00		880.00
	Nov 15	Deposited	330.00		1210.00
	Nov 25	Withdrawal	310.00		900.00
	Dec 5	Deposited	340.00		1240.00
	Dec 15	Withdrawal	320.00		920.00
	Dec 25	Deposited	350.00		1270.00
	1903 Jan 5	Withdrawal	330.00		940.00
	Jan 15	Deposited	360.00		1300.00
	Jan 25	Withdrawal	340.00		960.00
	Feb 5	Deposited	370.00		1330.00
	Feb 15	Withdrawal	350.00		980.00
	Feb 25	Deposited	380.00		1360.00
	Mar 5	Withdrawal	360.00		1000.00
	Mar 15	Deposited	390.00		1390.00
	Mar 25	Withdrawal	370.00		1020.00
	Apr 5	Deposited	400.00		1420.00
	Apr 15	Withdrawal	380.00		1040.00
	Apr 25	Deposited	410.00		1450.00
	May 5	Withdrawal	390.00		1060.00
	May 15	Deposited	420.00		1480.00
	May 25	Withdrawal	400.00		1080.00
	Jun 5	Deposited	430.00		1510.00
	Jun 15	Withdrawal	410.00		1100.00
	Jun 25	Deposited	440.00		1540.00
	Jul 5	Withdrawal	420.00		1120.00
	Jul 15	Deposited	450.00		1570.00
	Jul 25	Withdrawal	430.00		1140.00
	Aug 5	Deposited	460.00		1600.00
	Aug 15	Withdrawal	440.00		1160.00
	Aug 25	Deposited	470.00		1630.00
	Sep 5	Withdrawal	450.00		1180.00
	Sep 15	Deposited	480.00		1660.00
	Sep 25	Withdrawal	460.00		1200.00
	Oct 5	Deposited	490.00		1690.00
	Oct 15	Withdrawal	470.00		1220.00
	Oct 25	Deposited	500.00		1720.00
	Nov 5	Withdrawal	480.00		1240.00
	Nov 15	Deposited	510.00		1750.00
	Nov 25	Withdrawal	490.00		1260.00
	Dec 5	Deposited	520.00		1780.00
	Dec 15	Withdrawal	500.00		1280.00
	Dec 25	Deposited	530.00		1810.00
	1904 Jan 5	Withdrawal	510.00		1300.00
	Jan 15	Deposited	540.00		1840.00
	Jan 25	Withdrawal	520.00		1320.00
	Feb 5	Deposited	550.00		1870.00
	Feb 15	Withdrawal	530.00		1340.00
	Feb 25	Deposited	560.00		1900.00
	Mar 5	Withdrawal	540.00		1360.00
	Mar 15	Deposited	570.00		1930.00
	Mar 25	Withdrawal	550.00		1380.00
	Apr 5	Deposited	580.00		1960.00
	Apr 15	Withdrawal	560.00		1400.00
	Apr 25	Deposited	590.00		1990.00
	May 5	Withdrawal	570.00		1420.00
	May 15	Deposited	600.00		2020.00
	May 25	Withdrawal	580.00		1440.00
	Jun 5	Deposited	610.00		2050.00
	Jun 15	Withdrawal	590.00		1460.00
	Jun 25	Deposited	620.00		2080.00
	Jul 5	Withdrawal	600.00		1480.00
	Jul 15	Deposited	630.00		2110.00
	Jul 25	Withdrawal	610.00		1500.00
	Aug 5	Deposited	640.00		2140.00
	Aug 15	Withdrawal	620.00		1520.00
	Aug 25	Deposited	650.00		2170.00
	Sep 5	Withdrawal	630.00		1540.00
	Sep 15	Deposited	660.00		2200.00
	Sep 25	Withdrawal	640.00		1560.00
	Oct 5	Deposited	670.00		2230.00
	Oct 15	Withdrawal	650.00		1580.00
	Oct 25	Deposited	680.00		2260.00
	Nov 5	Withdrawal	660.00		1600.00
	Nov 15	Deposited	690.00		2290.00
	Nov 25	Withdrawal	670.00		1620.00
	Dec 5	Deposited	700.00		2320.00
	Dec 15	Withdrawal	680.00		1640.00
	Dec 25	Deposited	710.00		2350.00
	1905 Jan 5	Withdrawal	690.00		1660.00
	Jan 15	Deposited	720.00		2380.00
	Jan 25	Withdrawal	700.00		1680.00
	Feb 5	Deposited	730.00		2410.00
	Feb 15	Withdrawal	710.00		1700.00
	Feb 25	Deposited	740.00		2440.00
	Mar 5	Withdrawal	720.00		1720.00
	Mar 15	Deposited	750.00		2470.00
	Mar 25	Withdrawal	730.00		1740.00
	Apr 5	Deposited	760.00		2500.00
	Apr 15	Withdrawal	740.00		1760.00
	Apr 25	Deposited	770.00		2530.00
	May 5	Withdrawal	750.00		1780.00
	May 15	Deposited	780.00		2560.00
	May 25	Withdrawal	760.00		1800.00
	Jun 5	Deposited	790.00		2590.00
	Jun 15	Withdrawal	770.00		1820.00
	Jun 25	Deposited	800.00		2620.00
	Jul 5	Withdrawal	780.00		1840.00
	Jul 15	Deposited	810.00		2650.00
	Jul 25	Withdrawal	790.00		1860.00
	Aug 5	Deposited	820.00		2680.00
	Aug 15	Withdrawal	800.00		1880.00
	Aug 25	Deposited	830.00		2710.00
	Sep 5	Withdrawal	810.00		1900.00
	Sep 15	Deposited	840.00		2740.00
	Sep 25	Withdrawal	820.00		1920.00
	Oct 5	Deposited	850.00		2770.00
	Oct 15	Withdrawal	830.00		1940.00
	Oct 25	Deposited	860.00		2800.00
	Nov 5	Withdrawal	840.00		1960.00
	Nov 15	Deposited	870.00		2830.00
	Nov 25	Withdrawal	850.00		1980.00
	Dec 5	Deposited	880.00		2860.00
	Dec 15	Withdrawal	860.00		2000.00
	Dec 25	Deposited	890.00		2890.00
	1906 Jan 5	Withdrawal	870.00		2020.00
	Jan 15	Deposited	900.00		2920.00
	Jan 25	Withdrawal	880.00		2040.00
	Feb 5	Deposited	910.00		2950.00
	Feb 15	Withdrawal	890.00		2060.00
	Feb 25	Deposited	920.00		2980.00
	Mar 5	Withdrawal	900.00		2080.00
	Mar 15	Deposited	930.00		3010.00
	Mar 25	Withdrawal	910.00		2100.00
	Apr 5	Deposited	940.00		3040.00
	Apr 15	Withdrawal	920.00		2120.00
	Apr 25	Deposited	950.00		3070.00
	May 5	Withdrawal	930.00		2140.00
	May 15	Deposited	960.00		3100.00
	May 25	Withdrawal	940.00		2160.00
	Jun 5	Deposited	970.00		3130.00
	Jun 15	Withdrawal	950.00		2180.00
	Jun 25	Deposited	980.00		3160.00
	Jul 5	Withdrawal	960.00		2200.00
	Jul 15	Deposited	990.00		3190.00
	Jul 25	Withdrawal	970.00		2220.00
	Aug 5	Deposited	1000.00		3220.00
	Aug 15	Withdrawal	980.00		2240.00
	Aug 25	Deposited	1010.00		3250.00
	Sep 5	Withdrawal	990.00		2260.00
	Sep 15	Deposited	1020.00		3280.00
	Sep 25	Withdrawal	1000.00		2280.00
	Oct 5	Deposited	1030.00		3310.00
	Oct 15	Withdrawal	1010.00		2300.00
	Oct 25	Deposited	1040.00		3340.00
	Nov 5	Withdrawal	1020.00		2320.00
	Nov 15	Deposited	1050.00		3370.00
	Nov 25	Withdrawal	1030.00		2340.00
	Dec 5	Deposited	1060.00		3400.00
	Dec 15	Withdrawal	1040.00		2360.00
	Dec 25	Deposited	1070.00		3430.00
	1907 Jan 5	Withdrawal	1050.00		2380.00
	Jan 15	Deposited	1080.00		3460.00
	Jan 25	Withdrawal	1060.00		2400.00
	Feb 5	Deposited	1090.00		3490.00
	Feb 15	Withdrawal	1070.00		2420.00
	Feb 25	Deposited	1100.00		3520.00
	Mar 5	Withdrawal	1080.00		2440.00
	Mar 15	Deposited	1110.00		3550.00
	Mar 25	Withdrawal	1090.00		2460.00
	Apr 5	Deposited	1120.00		3580.00
	Apr 15	Withdrawal	1100.00		2480.00
	Apr 25	Deposited	1130.00		3610.00
	May 5	Withdrawal	1110.00		2500.00
	May 15	Deposited	1140.00		3640.00
	May 25	Withdrawal	1120.00		2520.00
	Jun 5	Deposited	1150.00		3670.00
	Jun 15	Withdrawal	1130.00		2540.00
	Jun 25	Deposited	1160.00		3700.00
	Jul 5	Withdrawal	1140.00		2560.00
	Jul 15	Deposited	1170.00		3730.00
	Jul 25	Withdrawal	1150.00		2580.00
	Aug 5	Deposited	1180.00		3760.00
	Aug 15	Withdrawal	1160.00		2600.00

FORTY LEADING INDUSTRIES, 1925

The principal statistics of the forty leading industries in the Dominion of Canada for the calendar year 1925 are presented in Table 6 and are arranged in order of the gross value of production.

The pulp and paper industry in 1925 takes first position in the list of Canada's forty leading industries displacing the flourmilling industry which had in many years occupied that position, and is now relegated to second place. The slaughtering and meatpacking industry is third in total value of production, sawmilling is fourth, the dairy industry is fifth, automobiles sixth, electric power plants seventh, rubber manufactures eighth, cotton textiles ninth and sugar refineries tenth.

In the five leading industries it will be noted that the chief materials used were primarily of Canadian farm and forest origin. Especially in the industries whose materials are of farm origin the cost of such materials is highest yet the number of persons employed with their remuneration is lowest as is also the net value of production.

The following statement gives the position or rank of the ten leading industries as to (a) the number of establishments, (b) the amount of capital invested, (c) the number of persons employed, (d) the amount paid in salaries and wages, (e) the cost of materials and (f) the gross value of products.

- (a) Number of Establishments:- 1. Butter and cheese (2,988); 2. Sawmills (2,700); 3. Bread and other bakery products (2,176); 4. Flour and gristmills (1,310); 5. Electric light and power (1,007); 6. Fish curing and packing (846); 7. Printing and bookbinding (782); 8. Planing mills, sash and door factories (751); 9. Printing and publishing (668); 10. Clothing, women's factory (374).
- (b) Capital:- 1. Electric light and power (726,721,087); 2. Pulp and paper (460,397,772); 3. Sawmills (204,134,003); 4. Castings and forgings (84,812,441); 5. Cotton yarn and cloth (83,610,686); 6. Agricultural implements (81,861,961); 7. Steel and rolled products (82,593,940); 8. Railway rolling stock (78,039,179); 9. Automobiles (74,678,451); 10. Rubber goods including rubber footwear (65,562,734).
- (c) Employees:- 1. Sawmills (35,458); 2. Pulp and paper (28,031); 3. Cottons (20,497); 4. Railway rolling stock (20,202); 5. Castings and forgings (17,120); 6. Hosiery and knit goods (14,698); 7. Printing and publishing (14,187); 8. Electrical apparatus and supplies (14,112); 9. Boots and shoes, leather (13,791); 10. Clothing, women's factory (13,490).
- (d) Salaries and wages:- 1. Pulp and paper (\$38,560,905); 2. Sawmills (\$34,097,006); 3. Railway rolling stock (\$26,580,356); 4. Castings and forgings (\$21,039,510); 5. Printing and publishing (\$20,163,588); 6. Electric light and power (\$18,755,907); 7. Automobiles (\$17,249,270); 8. Electrical apparatus and supplies (\$16,472,357); 9. Cotton yarn and cloth (\$14,285,586); 10. Rubber goods, including rubber footwear (\$14,143,165).
- (e) Cost of Materials:- 1. Flour and gristmills (\$163,164,668); 2. Slaughtering and meatpacking (132,329,355); 3. Butter and cheese (\$97,843,334); 4. Sawmills (\$78,219,728); 5. Pulp and paper (\$76,514,990); 6. Automobiles (\$74,166,378); 7. Sugar refineries (\$54,457,385); 8. Cotton yarn and cloth (\$44,793,622); 9. Rubber goods including rubber footwear (\$38,389,352); 10. Petroleum (\$38,261,024).
- (f) Gross value of Products:- 1. Pulp and paper (\$193,092,937); 2. Flour and grist mills (\$187,944,731); 3. Slaughtering and meatpacking (\$163,816,810); 4. Sawmills (\$134,413,845); 5. Butter and cheese (\$124,828,754); 6. Automobiles (\$110,835,380); 7. Electric light and power (\$102,587,882); 8. Rubber goods including footwear (\$78,229,574); 9. Cotton yarn and cloth (\$72,781,517); 10. Sugar refineries (\$68,445,879).





Table 6.- STATISTICS OF THE FORTY LEADING INDUSTRIES OF CANADA, 1925.

	Number of Estab- lish- ments	Capital \$	Employees on Salaries			Wage-earners		Cost of Materials \$	Value of Products \$
			Male No.	Female No.	Salaries \$	Male No.	Female No.		
1. Pulp and paper	114	460,397,772	2,550	421	6,816,191	24,148	912	76,514,996	193,622,517
2. Flour and grist mill products	1,310	60,104,258	953	211	2,163,591	4,381	121	163,164,662	197,947,731
3. Slaughtering and meat packing	74	54,316,043	2,156	353	7,814,491	7,519	681	132,327,355	63,824,119
4. Sawmills	2,740	204,134,003	1,826	223	7,144,070	33,382	27	73,217,723	127,447,847
5. Rubber and plastics	2,288	37,292,100	3,550	551	4,317,503	6,102	257	97,843,317	127,447,847
6. Cotton textiles	11	74,678,451	1,227	369	3,511,421	8,497	208	74,156,273	130,031,100
7. Electric lights and power	1,007	726,721,087	1,562	1,164	8,597,598	7,537	..	..	102,127,417
8. Leather goods, including footwear	40	65,562,721	1,264	393	2,724,449	3,353	2,942	50,339,317	18,249,244
9. Cotton yarn and cloth	37	83,610,686	422	95	1,294,483	11,224	8,756	43,773,622	72,131,317
10. Sugar refineries	8	50,082,717	303	53	932,333	2,325	103	53,457,347	86,445,047
11. Chemicals and fertilizers	324	84,812,441	1,732	483	4,465,459	14,539	365	22,522,311	61,754,149
12. Iron and steel rolling products	2,176	33,810,561	550	232	1,240,358	10,265	1,371	31,795,202	60,372,417
13. Miscellaneous manufacturing and supplies	122	75,375,623	2,374	826	5,618,577	3,300	2,706	27,417,016	60,153,827
14. Non-ferrous metal casting	6	61,691,928	397	40	1,079,242	4,567	..	27,327,119	56,622,492
15. Printing and publishing	664	46,399,803	3,881	1,479	8,648,734	7,542	1,285	13,807,325	43,136,802
16. Railway rolling stock	35	78,035,179	1,447	100	3,122,230	16,621	3+	25,875,173	53,050,187
17. Miscellaneous	21	50,580,549	396	68	1,014,940	3,259	24	36,261,024	50,162,117
18. Machinery, knit goods and gloves	162	49,350,474	670	336	2,088,073	4,078	9,614	27,119,575	43,555,434
19. Clothing, women's factory	374	21,704,956	930	649	3,131,437	3,187	8,724	27,105,143	46,779,771
20. Biscuits, confectionery and chewing gum	320	40,770,096	1,471	502	3,461,480	4,385	5,600	23,227,967	46,743,339
21. Cigars and cigarettes	89	30,563,901	934	187	2,277,755	1,701	3,024	17,425,163	41,987,154
22. Boots and shoes, leather	188	30,863,482	948	293	2,497,395	7,722	4,828	20,486,473	40,022,515
23. Planing mills, sash and door factories	751	48,743,683	969	189	2,097,518	8,831	116	22,508,135	40,007,152
24. Breweries	62	51,222,456	596	67	1,606,085	3,371	39	14,692,473	38,697,995
25. Clothing, men's factory	175	24,180,348	947	335	2,399,322	4,469	5,067	19,890,260	36,236,384
26. Rolled products, pig iron, steel products and ferro-alloys	32	82,593,940	352	50	1,064,430	4,695	4	16,433,911	35,337,685





STATISTICS OF FORTY LEADING INDUSTRIES OF CANADA, 1925. (Cont'd).

	Number of Estab- lish- ments	Capital \$	Employees on Salaries		Wage-earners		Cost of Materials	Value of Products
			Male No.	Female No.	Male No.	Female No.		
27. Sheet metal products	127	29,624,294	805	261	5,017	647	18,454,605	37,772,488
28. Printing and bookbinding	782	31,556,870	1,308	446	6,139	2,050	9,979,779	31,172,195
29. Machinery	151	55,431,604	1,339	413	6,330	231	10,985,862	30,762,650
30. Fish curing and packing	876	21,139,985	574	58	9,017	6,623	18,680,666	30,300,992
31. Acids, alkalies, salts and compressed gases	40	35,656,528	434	102	1,001,360	8	12,873,256	27,783,395
32. Furniture and upholstery	336	32,864,975	713	227	1,854,740	361	9,928,696	27,110,462
33. Leather tanneries	104	30,095,917	261	50	811,445	130	17,904,138	26,171,217
34. Agricultural implements	61	81,861,961	1,063	290	2,254,068	125	11,087,186	27,770,216
35. Furnishing goods, linens	135	16,650,582	451	226	1,087,096	5,533	13,126,738	23,070,282
36. Fruit and vegetable canneries	242	24,424,064	330	99	652,398	4,105	13,527,832	22,376,313
37. Paints and varnishes	62	21,460,431	612	183	1,628,885	181	12,613,995	22,234,260
38. Brass and copper products	91	20,508,838	596	131	1,299,668	373	10,177,373	19,155,309
39. Tobacco chewing, smoking and snuff	39	12,418,376	218	50	851,175	1,256	9,016,141	18,168,225
40. Hardware and tools	112	30,774,622	505	224	1,502,258	724	5,950,922	17,882,650
Total, forty leading industries	16,922	3,074,079,258	46,617	12,429	281,914	79,157	353,425,694	2,365,007,098
Total, all industries	22,331	3,808,309,981	60,385	17,238	359,595	107,007	452,958,655	2,948,545,315
Percentage of forty leading industries to all industries	75.78	80.72	77.19	72.10	75.13	74.08	78.02	80.20





Table 7 presents statistics of capital investment in the manufacturing industries of Canada by provinces and by industrial groups for the calendar year 1925. The increase in the total capital investment over 1924 amounted to \$269,496,521 made up of \$214,875,563 fixed capital and \$54,620,958 working capital. The average capital invested in each establishment advanced from \$149,294 in 1923 to \$159,564 in 1924 and to \$170,539 in 1925, or an increase per plant of \$10,270 or 6.9 per cent in the 1923-24 period and an increase of \$10,975 or 6.9 per cent in the 1924-25 period. The increase in capital is indicative of continued improvement in manufacturing conditions throughout the Dominion.

Table 7.- Capital employed in Manufacturing Industries, 1925.

	Number of Establishments	Working Capital			Total Capital
		Fixed Capital	Materials on hand, stocks in process, finished products on hand, etc.	Cash, trading and operating accounts and bills receivable	
CANADA					
(a) By Provinces	22,331	2,525,173,575	694,918,828	588,217,578	3,808,309,981
Prince Edward Island	318	1,685,453	466,533	424,691	2,576,677
Nova Scotia	1,184	94,651,909	13,571,152	9,103,430	117,326,491
New Brunswick	861	62,125,258	19,241,957	10,142,718	91,509,933
Quebec	6,995	777,375,677	195,373,813	163,283,643	1,136,033,133
Ontario	9,386	1,207,098,214	381,268,193	337,227,075	1,925,593,482
Manitoba	769	86,515,540	19,168,008	14,678,690	120,362,238
Saskatchewan	650	22,676,021	5,307,383	3,624,492	31,607,896
Alberta	734	49,922,142	12,016,037	7,867,669	69,805,848
British Columbia and Yukon	1,434	223,123,361	48,505,752	41,865,170	313,494,283
(b) By Industrial Groups					
Vegetable products	4,558	246,196,266	112,055,229	81,239,269	439,490,764
Animal products	4,892	104,456,792	60,286,898	45,271,748	210,015,438
Textiles and textile products	1,640	154,044,891	82,905,441	68,826,077	305,776,409
Wood and paper products	6,652	607,272,548	172,006,600	127,845,382	907,204,530
Iron and its products	1,075	327,078,561	126,676,186	114,157,730	567,912,477
Non-ferrous metal products	378	98,586,400	44,052,687	38,961,140	181,600,227
Non-metallic mineral products	1,191	181,017,528	38,694,325	20,111,972	239,823,825
Chemicals and allied products	510	69,364,543	28,695,068	28,423,737	126,483,348
Miscellaneous industries	1,435	737,156,046	29,466,394	63,380,523	830,002,963





EMPLOYMENT STATISTICS

The number of persons employed in the manufacturing industries of Canada in 1925 exclusive of outside piece-workers was 544,225 as compared with 508,503 in 1924, 525,267 in 1923, 462,573 in 1922 and 439,889 in 1921. Of these employed in 1925 the number on salaries totalled 77,623 of which 60,385 were males and 17,238 females, whilst these employed on wages numbered 466,602 of whom 359,595 were males and 107,007 females. The figures relating to wage-earners are averages for the year and are ascertained by dividing the total number employed by months during the year by twelve.

The average number of employees per establishment which had risen from 21 in 1922 to 23.2 in 1923 fell in 1924 to 22.9, but rose again in 1925 to 24.4 whilst the average payment in salaries and wages per establishment rose from \$22,645 in 1922 to \$25,240 in 1923 to \$25,245 in 1924 and to \$26,690 in 1925. The average salary per employee advanced from \$1,791.28 in 1922 to \$1,823.60 in 1923 to \$1,831.49 in 1924 and to \$1,842.97 in 1925, whilst the average wage per employee rose from \$939.31 in 1922 to \$959.14 in 1923 and to \$972.23 in 1924 but fell to \$970.76 in 1925. The total amount paid for all services in 1925 was \$596,015,171 of which \$143,056,516 represented salaries and \$452,958,655 represented wages.

Pieceworkers employed outside the establishment totalled 3,735 of whom 1,244 were males and 2,491 females, whilst the total payments to such out-workers amounted to \$92,302. In Table 8 below the statistics of employment are shown by provinces and by groups of industries. The province of Ontario furnished 48.2 per cent of the number employed and paid 51.5 per cent of the total cost of salaries and wages. Quebec is second with 30.9 per cent of the number employed and 28.5 per cent of the cost of salaries and wages. Of the industrial groups, wood and paper furnished employment to the highest number having 23.5 per cent of the total followed in order by the textile group with 17.4 per cent and the iron and steel group with 16.6 per cent.

Table 8.- Employees, Salaries and Wages, 1925

(a) Provinces	Employees on Salaries		Total Salaries \$	Employees on Wages		Total Wages \$
	Male No.	Female No.		Male No.	Female No.	
Prince Edward Island	163	27	151,089	1,227	900	421,041
Nova Scotia	1,188	360	2,362,646	11,773	3,247	9,720,047
New Brunswick	1,313	331	2,870,937	12,010	3,621	11,559,315
Quebec	16,836	4,068	39,349,016	106,199	41,142	130,337,039
Ontario	31,644	10,515	77,806,238	171,564	48,760	229,497,769
Manitoba	2,775	693	6,299,535	13,841	2,714	18,986,638
Saskatchewan	1,001	176	1,989,405	2,913	312	3,766,224
Alberta	1,634	332	3,434,193	6,389	1,009	8,351,411
British Columbia and Yukon	3,831	736	8,793,457	33,679	5,302	40,319,171
CANADA, totals	60,385	17,238	143,056,516	359,595	107,007	452,958,655



Table 8.- EMPLOYEES, SALARIES AND WAGES, 1925. - Cont'd.

(b) Groups of Industries	Employees on Salaries		Total Salaries	Employees on Wages		Total Wages
	Male No.	Female No.		Male No.	Female No.	
Vegetable products	7,685	2,104	18,584,887	42,282	19,964	54,211,770
Animal products	8,529	1,689	5,587,875	38,457	15,000	39,697,563
Textiles and textile products	5,301	2,537	15,317,622	35,187	51,506	66,256,366
Food and paper products	13,395	3,802	32,761,145	101,530	9,132	115,696,603
Iron and its products	9,676	2,514	24,316,566	75,166	2,769	93,325,904
Non-ferrous metal products	3,888	1,247	9,570,624	18,834	3,666	26,143,275
Non-metallic mineral products	2,543	640	5,797,692	20,394	891	24,054,967
Chemicals and allied products	2,823	1,006	7,604,298	7,706	2,416	9,867,059
Miscellaneous industries	6,545	1,699	13,515,807	19,939	1,663	23,667,324
TOTAL	60,385	17,238	143,056,516	359,595	107,007	452,958,655

Another view of the trend of employment is afforded by comparing the index numbers of employment in the manufacturing groups of industries by months for the calendar years 1921, 1922, 1923, 1924 and 1925 as presented in Table 9.

Table 9.- Index Numbers of Employment in the Manufacturing Groups of Industries by Months for the Calendar Years, 1921-1922  
1923, 1924 and 1925.

Months	1921	1922	1923	1924	1925
January	78.4	68.7	78.1	80.1	75.5
February	84.8	73.0	85.0	84.9	79.3
March	84.6	78.1	87.5	86.0	81.9
April	80.7	78.0	85.6	86.5	84.3
May	80.2	79.0	90.5	87.7	86.6
June	81.1	84.2	93.5	88.4	88.3
July	80.9	84.2	93.6	87.7	89.1
August	81.3	85.8	93.5	86.2	88.5
September	79.3	86.5	93.0	84.5	89.4
October	81.3	86.7	91.8	85.7	91.3
November	81.1	87.7	91.2	84.2	89.2
December	79.3	87.7	86.2	82.0	80.1





The fuel used by Canadian industrial establishments in 1925 is presented in Table 10, by provinces and industrial groups. Coal and coke accounted for 73.2 per cent of the total value of fuel consumed and included 5,902,197 tons of bituminous coal valued at \$34,034,531. Oil for fuel comes next in order to bituminous coal, the value in 1925 amounting to \$7,246,961 as against an expenditure of \$5,780,752 in 1924. Of the total fuel used the province of Ontario expended therefore \$28,025,118 or nearly 48.5 per cent, Quebec being next with 15,325,867, or 26.5 per cent, followed in order by British Columbia with 7.9 per cent and Nova Scotia with 48.5 per cent.

The groups of industries using fuel most extensively in 1925 were wood and paper to the value of \$14,158,128 or approximately 25 per cent, non-metallic mineral products being next with \$11,839,875 or 20.5 per cent iron and its products next with \$8,679,321 or 15.01 per cent followed by vegetable products with \$7,033,646 or 12.2 per cent.

Table 10.- Fuel Consumption by Provinces and Groups of Industries, 1925.

	Bituminous coal		Anthracite		Lignite	Coke	Gasoline	Oils (Fuel)	Wood	Gas	All Other Fuel	Total cost of all fuel
	Quantity tons	Value	Coal	Coal								
Prince Edward Island	7,027	62,929	884	118		2,548	2,975	8,870	17,870	717	1,010	97,921
Nova Scotia	261,337	1,387,647	34,191	1,544		244,059	18,156	671,216	71,829	514,455	96,005	3,039,102
New Brunswick	290,372	1,680,771	17,426	91		12,762	9,339	62,210	157,700	16,551	24,543	1,981,393
Quebec	1,438,530	9,209,215	1,437,260	11,683		478,880	179,227	2,675,833	804,469	363,286	166,014	15,325,867
Ontario	3,008,179	17,736,400	956,396	45,010		2,941,740	324,421	1,902,969	1,176,668	2,245,151	796,363	28,025,118
Manitoba	175,099	957,798	92,307	248,822		81,439	42,344	207,303	127,872	102,087	27,121	1,007,093
Saskatchewan	141,168	725,759	7,587	164,216		7,240	65,679	357,186	71,543	65,359	19,291	1,403,860
Alberta	321,413	875,713	12,794	180,239		36,645	37,550	92,954	30,532	153,437	11,173	1,431,037
British Columbia and Yukon	259,072	1,398,299	5,644	6,564		1,239,926	87,021	1,268,420	242,494	209,137	89,805	4,547,310
TOTALS	5,902,197	34,034,531	2,564,489	658,287		5,045,239	766,712	7,246,961	2,700,977	3,570,180	1,231,325	57,816,701
Industrial groups												
Vegetable products	711,807	3,940,504	524,170	198,221		431,923	158,727	791,321	485,984	425,428	77,368	7,033,646
Animal products	328,201	2,044,626	106,354	232,042		43,969	99,614	104,098	663,334	31,560	81,528	3,407,125
Textiles and textile products	396,620	2,564,084	248,307	57,384		47,823	98,478	69,808	50,547	57,437	65,718	3,259,506
Food and paper products	1,596,984	10,349,532	1,097,447	22,826		21,981	107,870	1,332,831	737,038	116,647	371,956	14,158,128
Iron and its products	851,234	4,646,262	206,476	113,840		461,249	110,492	1,396,995	97,802	1,205,014	441,191	8,679,321
Non-ferrous metal products	223,545	1,335,843	76,746	4,717		2,737,995	32,744	742,255	38,534	165,107	10,350	5,144,291
Non-metallic mineral products	1,054,618	5,835,527	178,724	26,777		1,171,739	57,833	2,419,466	506,891	1,493,891	149,027	11,839,875
Chemicals and allied products	211,860	1,197,586	113,398	635		107,743	16,305	89,355	23,001	21,593	21,660	1,591,276
Miscellaneous industries	527,328	2,120,567	12,867	1,845		20,817	84,649	300,832	97,846	53,503	12,527	2,705,453





The statistics of power equipment in the manufacturing industries of Canada are presented in Table 11. These comprise all of such industries operating during 1925 and include central electric stations which produce electric energy for driving the machinery of other industries and for lighting purposes. The equipment driven by electricity purchased from central electric stations is shown in column 5 and so as to show only net figures in column 8 for the total power equipment employed, the amounts in column 5 marked *if* have been excluded from the totals in column 8. The total equipment for each of the groups of industries except "Miscellaneous Industries" which includes central electric stations, includes the motors driven by such purchased power.

The net increase in all primary power equipment compared with that of 1924 was 783,203 h.p. Central electric stations increased their equipment by 725,145 h.p. and other industries reported an increase of only 58,058 h.p., but increased the electric motors operated by power purchased from central electric stations by 291,571 h.p. The excess of the increase in central electric stations took care of the increased lighting load and cover load in mines and electric railways which are not included in these industrial statistics. Steam engines and turbines increased by 48,649 h.p., or 5.2 per cent, internal combustion engines by 4,944 h.p. or 6.8 per cent and water wheels and turbines increased by 729,610 h.p. or 22 per cent. The increasing use of electricity in manufacturing industries is indicated by the capacity of electric motors used which increased during the year by 328,248 h.p. or 20 per cent.

Table 11.- Power Equipment of Manufacturing Industries of Canada, by Provinces and Groups of Industries, 1925.

by Provinces and Groups of Industries, 1925.										
(A) Provinces	Steam engines and Turbines H.P.	Internal Combustion Engines H.P.	Hydraulic Turbines or Water Wheels H.P.	Total Primary Power H.P.	Electric Motors		Total Electric Motors H.P.	Total Power Equipment for manufacturing purposes H.P.		
					Operated by purchased power H.P.	Operated by power generated by establishment H.P.				
Prince Edward Island	Col. 1 1,365	Col. 2 1,872	Col. 3 1,756	Col. 4 4,993	Col. 5 195	Col. 6 70	Col. 7 265	Col. 8 4,993		
Nova Scotia	107,685	4,100	53,270	165,055	21,670	41,285	62,955	165,055		
New Brunswick	63,324	4,830	33,446	101,600	8,550	26,426	34,976	101,600		
Quebec	180,303	8,679	1,696,919	1,885,901	472,446	141,628	614,074	1,885,901		
Ontario	322,954	32,970	1,659,092	2,015,016	854,042	155,915	1,009,957	2,015,016		
Manitoba	45,866	2,489	152,925	201,280	44,701	575	45,276	201,280		
Saskatchewan	61,721	11,126	-	72,847	9,769	127	9,896	72,847		
Alberta	76,941	4,351	33,557	114,849	20,943	3,737	24,680	114,849		
British Columbia	132,757	7,018	381,791	521,566	115,438	64,915	180,253	521,566		
Totals	992,916	77,435	4,012,756	5,083,107	1,547,754	434,678	1,982,432	5,083,107		
Vegetable Products	60,339	9,738	40,426	110,503	156,206	23,149	179,355	266,709		
Animal	24,580	4,866	1,789	31,235	58,588	2,737	61,325	89,023		
Textiles and textile products	27,572	1,224	29,670	58,466	86,113	23,044	109,157	144,579		
Food and paper products	359,945	15,118	444,395	819,458	498,044	247,445	745,489	1,317,502		
Iron and steel products	145,630	21,459	4,227	171,316	290,645	85,050	375,695	461,961		
Non-ferrous metal products	20,090	173	68,860	89,123	133,614	29,172	162,786	222,737		
Non-metallic mineral products	26,349	4,207	901	31,457	249,617	17,973	267,590	281,074		
Chemicals and chemical products	14,509	290	6,470	21,269	37,233	4,583	41,816	50,502		
Miscellaneous industries	313,902	20,360	3,416,018	3,750,280	37,694	1,525	39,219	3,750,280		





Urban Statistics of Manufactures, 1925

The statistics of manufactures in urban municipalities having 3 or more establishments and a gross value of production of \$1,000,000 or over in the calendar year 1925 are presented in table 12. In the 191 urban municipalities included in the table the value of manufactured products amounted to \$2,461,262,116 in a total for the whole of Canada of \$2,948,545,315 or 83.16 per cent. though the number of establishments represented but 46.80 per cent. of the total. Capital investment in the 191 urban municipalities was 79.01 per cent. of the total for the Dominion; the number of persons employed 81.73 per cent. the cost of salaries and wages 85.16 per cent. and the cost of materials 83.12 per cent.

Table 12. Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more Establishments, 1925.

Cities and Towns	Estab- lish- ments No.	Capital \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
<u>Prince Edward Island</u>						
Charlottetown	27	1,391,308	331	289,952	872,046	1,554,304
<u>Nova Scotia</u>						
Halifax	87	28,557,801	2,995	2,867,782	4,209,119	10,700,999
Sydney	32	31,011,059	1,936	2,053,826	7,620,968	12,962,021
Dartmouth	17	18,155,883	1,067	1,285,650	11,561,507	15,549,800
Truro	24	3,754,724	662	539,654	1,580,517	3,060,869
Yarmouth	28	2,723,614	622	568,214	1,325,895	2,386,704
Amherst	22	4,578,824	811	682,273	1,163,443	2,255,278
New Glasgow	26	5,454,348	479	468,936	784,044	1,528,779
<u>New Brunswick</u>						
Saint John	128	25,792,924	3,161	3,410,119	21,026,960	29,249,907
Moncton	37	7,395,675	2,226	2,505,738	2,697,111	5,789,373
Bathurst	14	9,867,159	750	766,516	1,989,097	4,195,134
St. Stephen	16	2,569,587	739	664,344	1,824,841	3,365,257
Edmundston	7	5,035,238	360	436,071	1,459,109	3,210,866
Fredericton	30	2,963,704	737	677,598	1,291,425	2,369,486
Campbellton	16	2,869,717	458	388,848	1,025,670	1,856,217
Shatham	12	2,892,230	388	331,778	644,564	1,148,828
<u>Quebec</u>						
Montreal	1,661	517,209,355	90,584	98,441,694	233,287,050	460,252,357
Three Rivers	44	55,781,869	5,628	5,670,467	13,740,304	32,734,025
Quebec	186	22,727,190	7,211	5,797,071	11,791,517	22,856,514
Shawinigan Falls	18	51,943,757	2,512	3,220,515	7,986,773	22,155,879
Sherbrooke	70	19,194,927	3,656	3,475,949	6,064,507	12,162,114
Valleyfield	36	13,633,808	2,136	2,194,565	5,741,130	10,767,244
Grand'Mere	22	10,508,528	2,778	2,151,589	3,944,271	10,275,019
Machine	11	53,514,062	1,394	2,014,736	2,902,453	9,851,374
Granby	24	14,659,068	1,902	2,820,709	4,902,376	9,727,809
Magog	28	8,698,575	2,207	1,890,162	3,789,907	8,368,742
St. Hyacinthe	15	5,987,107	1,352	844,784	5,687,167	7,135,822
St. John	46	8,112,854	2,225	1,569,670	3,978,410	7,102,470
St. Jerome	25	31,055,581	2,229	2,227,455	3,187,936	6,516,498
St. Angus	25	4,539,793	1,527	1,245,354	2,025,877	5,349,254
Donnacona	5	16,231,190	764	969,594	2,500,926	5,194,489
Drummondville	3	9,659,316	501	845,293	1,499,261	4,666,530
La Tuque	18	7,674,189	1,280	1,029,267	3,009,194	4,645,394
Beloeil	8	8,021,448	581	874,022	2,053,444	4,435,374
Victoriaville	7	3,964,109	241	301,072	2,659,415	4,356,168
St. Pie	24	3,668,214	983	675,784	1,248,210	3,501,413
St. Pie	15	10,541,859	606	571,291	831,985	2,835,426
St. Alfred	3	8,154,531	404	480,323	1,072,722	2,578,735
St. Pie	35	2,264,554	654	433,996	1,330,063	2,311,042
St. Pie	8	3,654,684	417	352,913	589,521	2,093,348
St. Pie	16	2,661,719	1,197	977,576	745,264	2,037,790
St. Pie	14	3,035,357	389	417,585	904,854	2,007,105
St. Pie	6	2,695,856	490	594,354	860,130	1,992,500
St. Pie	8	3,331,114	410	373,394	707,531	1,804,094
St. Pie	25	1,852,694	625	403,635	1,049,473	1,720,532
St. Pie	3	3,728,351	351	357,495	745,354	1,623,720
St. Pie	5	3,927,696	380	438,031	466,233	1,597,300
St. Pie	10	1,695,252	254	319,241	620,655	1,500,289





Table 12.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over and with 3 or more Establishments, 1925 (continued)

City or Town	Estab- lish- ments	Capital	Employ- ees	Salaries and Wages	Cost of Materials	Value of Products
Quebec (Cont'd)	No.	\$	No.	\$	\$	\$
Cowansville	11	1,452,517	471	390,430	601,729	1,278,500
Marieville	10	1,009,945	318	312,462	706,159	1,215,639
Verdun	10	784,891	758	363,754	851,845	1,192,725
Bromptonville	3	426,099	275	232,708	803,024	1,184,142
Longueuil	7	2,422,157	346	518,911	144,288	1,086,653
Rock Island	17	2,035,990	352	303,697	468,058	1,075,260
<b>Ontario</b>						
Toronto	1,957	429,165,022	82,728	100,769,732	246,399,340	447,093,824
Hamilton	414	166,234,301	23,629	27,987,009	62,110,974	122,305,950
Oshawa	34	21,832,973	4,987	6,269,910	30,345,887	47,529,284
Ford City	11	43,368,198	5,535	10,317,055	21,687,086	41,389,677
Kitchener	127	35,819,569	6,874	7,460,067	18,323,791	38,012,401
Port Colborne	14	16,649,921	1,358	2,036,167	16,589,770	33,327,147
London	218	40,560,023	8,663	9,657,684	14,577,627	32,201,399
Ottawa	192	48,777,659	7,110	8,554,138	15,932,660	31,303,494
Niagara Falls	57	35,400,855	2,641	3,645,357	14,784,415	29,374,543
Peterborough	80	24,592,003	4,425	4,343,449	19,568,309	29,058,140
Brantford	94	33,160,669	5,556	6,075,286	12,261,857	24,390,573
Windsor	124	43,975,165	4,448	6,393,344	11,287,167	22,676,153
New Toronto	10	19,674,663	2,501	3,460,102	13,889,082	20,731,269
Sarnia	38	19,904,324	2,624	3,649,955	13,315,035	19,615,775
Sault Ste. Marie	40	61,392,698	1,926	3,283,705	8,645,062	19,629,638
Walkerville	55	22,525,205	2,385	3,875,812	10,885,463	19,345,344
Guelph	91	16,062,472	3,737	3,891,731	8,720,418	17,587,890
Welland	37	23,231,136	2,519	2,844,340	8,914,644	15,397,268
Keewatin	5	5,858,622	394	563,651	13,383,994	14,533,840
Thorold	17	21,410,197	1,348	2,174,830	4,653,568	12,660,237
Galt	75	14,273,463	3,129	3,353,580	6,177,523	11,955,070
Chatham	57	13,754,417	1,939	2,265,403	7,503,439	11,674,153
St. Catharines	93	16,869,082	2,833	3,220,777	4,722,382	11,495,388
Stratford	62	10,951,733	2,819	3,301,022	6,513,337	11,008,886
Iroquois Falls	3	30,452,137	1,105	1,932,190	3,337,000	10,365,592
Cornwall	50	15,746,916	2,854	2,363,795	4,711,497	9,340,117
Fort William	36	20,973,799	960	1,273,298	4,829,120	9,002,657
Woodstock	61	9,341,674	1,841	1,860,492	3,906,140	7,674,266
Wallaceburg	19	6,939,399	892	1,175,227	4,824,287	8,195,448
Leaside	3	10,477,301	1,207	1,784,981	5,631,356	8,398,898
Brockville	31	4,846,696	780	803,350	4,336,641	6,440,766
Fort Francis	9	7,249,232	739	1,004,896	4,189,717	6,334,509
Goderich	18	1,997,584	306	347,194	5,346,481	6,239,050
Midland	15	4,556,386	899	935,190	3,713,943	5,326,388
Kingston	63	11,596,749	1,358	1,401,256	2,693,718	5,317,045
Simcoe	32	3,610,780	707	546,626	3,591,431	5,269,819
Preston	31	5,194,825	1,421	1,546,975	2,487,954	5,137,450
Waterloo	37	11,812,382	1,178	1,350,006	2,923,272	5,075,767
Hawkesbury	13	7,531,785	726	783,802	2,330,767	4,670,010
Port Arthur	22	9,817,224	783	1,017,268	1,420,199	4,662,368
Kenora	13	13,342,002	346	435,493	3,036,928	4,624,533
Owen Sound	51	7,702,087	1,588	1,509,577	2,152,460	4,592,501
Bellefonte	49	7,847,066	1,009	1,044,432	1,018,910	4,513,307
St. Thomas	46	3,901,591	909	903,496	2,619,678	4,475,885
Ingersoll	36	4,721,587	700	705,777	3,036,981	4,441,404
Leamington	14	2,456,494	503	431,078	1,614,715	4,402,354
Pembroke	36	7,259,516	1,074	952,013	2,638,107	4,368,329
Huntsville	12	5,035,963	523	469,310	2,873,651	4,303,994
Paris	21	4,769,035	1,116	942,939	2,403,574	4,226,747
Renfrew	22	4,894,442	753	763,867	2,426,770	3,865,289
Hespeler	15	5,997,267	1,136	961,123	2,032,198	3,747,744
Fergus	13	2,409,216	534	605,672	1,333,270	3,287,361
Cardinal	7	3,055,654	320	395,654	2,286,435	3,117,392
Bowmanville	18	3,456,866	519	483,779	1,703,233	3,106,987
Orillia	35	5,749,844	970	966,333	1,654,638	2,993,007
Trenton	24	2,560,073	392	339,946	1,882,210	2,962,647
Newmarket	15	2,005,284	492	548,443	1,395,180	2,946,138
Merritton	8	3,907,565	463	668,862	1,291,732	2,862,548
Brampton	22	2,117,503	756	664,026	1,367,037	2,724,137





Table 12.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over and with 3 or more Establishments 1925 (continued)

City or Town	Estab- lish- ments	Capital	Employ- ees	Salaries and Wages	Cost of Materials	Value of Products
	No.	\$	No.	\$	\$	\$
Ontario (Cont'd)						
Chippawa	4	949,619	157	226,040	537,504	2,699,780
Acton	13	2,672,722	406	397,137	2,069,633	2,667,435
Sturgeon Falls	8	6,232,745	480	675,601	1,415,684	2,636,952
Hanover	16	3,155,255	646	634,091	1,209,255	2,595,544
St. Mary's	23	4,110,399	452	499,791	712,051	2,570,327
Petrolia	17	2,188,049	201	240,119	1,977,935	2,527,730
Sudbury	28	3,707,248	589	499,998	1,236,657	2,504,128
Elmira	16	2,020,246	708	487,068	921,701	2,403,059
Weston	9	3,326,368	699	714,927	1,034,142	2,343,612
Lindsay	38	2,271,699	518	450,741	1,107,401	2,170,834
Aurora	8	1,140,083	349	329,875	1,323,746	2,164,857
Georgetown	17	2,618,071	438	431,364	1,217,590	2,127,984
Gananoque	24	3,112,204	573	641,505	893,978	2,119,720
Rockland	5	1,481,470	378	332,662	1,502,602	2,110,375
Perth	22	3,838,946	463	613,104	903,665	2,061,063
Cobourg	28	2,389,512	374	358,838	888,635	2,049,906
Dundas	20	4,399,439	582	649,370	1,011,098	2,018,901
Carleton Place	20	2,705,922	641	578,158	1,081,158	2,018,711
Arncliffe	17	5,076,706	488	494,425	1,231,251	2,014,336
Campbellford	27	2,315,566	422	401,006	1,270,998	2,011,951
Chesterville	6	973,320	151	171,188	1,445,604	2,010,304
Bridgeburg	20	1,413,152	191	259,989	1,031,158	1,957,064
Port Credit	4	1,711,755	193	209,465	1,175,233	1,907,846
Aylmer	8	1,471,515	165	160,879	1,157,892	1,902,559
Kapuskasing	4	10,494,648	371	461,320	788,474	1,889,926
Port Hope	33	2,730,662	558	624,851	602,183	1,869,707
Amherstburg	8	7,590,440	237	379,236	311,335	1,869,380
Sandwich	10	2,229,487	314	508,174	444,211	1,830,816
Smiths Falls	19	3,473,666	560	580,902	970,767	1,760,861
Dunnville	18	1,998,174	571	552,837	851,898	1,745,330
Milton	13	2,711,325	407	411,075	658,989	1,700,412
Tilsonburg	24	1,351,264	454	392,666	997,860	1,692,929
Napanee	19	1,195,617	313	257,294	939,142	1,660,080
Port Dalhousie	6	1,206,748	457	363,952	562,759	1,599,104
Norwich	21	669,917	161	151,680	1,167,761	1,555,302
Collingwood	27	6,081,233	538	537,008	810,491	1,540,906
Kincardine	17	1,263,403	368	306,606	670,905	1,473,957
Oakville	19	1,468,851	337	338,063	763,842	1,473,628
Timmins	16	15,990,788	258	298,306	220,987	1,457,221
Barrie	20	1,449,257	273	262,218	933,917	1,449,509
Walkerton	20	1,318,295	294	245,317	862,239	1,401,704
Almonte	19	1,487,858	380	327,991	790,519	1,377,641
Caledonia	13	628,201	143	166,998	791,224	1,339,684
Strathroy	19	1,401,813	228	202,312	824,873	1,316,083
Meaford	14	1,400,569	316	268,149	819,146	1,260,717
Tavistock	13	458,196	148	123,684	986,211	1,226,918
Penetanguishene	14	1,265,090	322	331,272	452,676	1,161,230
Cobalt	4	13,465,656	173	273,734	52,052	1,128,475
Picton	29	1,056,868	254	130,272	605,487	1,127,855
Cache Bay	3	1,087,221	209	238,724	825,370	1,096,579
Listowel	18	726,343	226	195,932	652,262	1,059,317
Grimsby	13	973,875	335	239,404	574,461	1,052,065
Frankford	9	1,414,184	191	171,166	579,496	1,050,282
Wingham	20	971,919	234	216,185	600,468	1,020,959
Chesley	12	931,241	296	274,091	445,879	1,005,490
MANITOBA -						
Winnipeg	409	89,688,323	14,346	13,390,797	42,388,504	79,614,829
St. Boniface	30	8,422,763	1,395	1,700,011	17,867,538	23,118,937
Brandon	36	4,161,476	433	588,927	2,492,123	4,141,338
Portage-la-Prairie	12	659,632	185	209,356	2,459,558	2,976,173
The Pas	7	1,425,598	300	357,943	560,883	1,441,622



Table 12.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over and with 3 or more Establishments, 1925 (Continued)

City or Town	Estab- lish- ments No.	Capital \$	Employ- ees No.	Salaries and Wages \$	Cost of Materials \$	Value of Products \$
<u>SASKATCHEWAN</u>						
Regina	56	11,042,235	1,358	1,929,749	5,991,028	11,403,990
Moose Jaw	25	3,149,599	622	909,026	7,734,769	9,945,890
Saskatoon	47	7,247,428	950	1,331,108	3,723,685	7,184,543
Prince Albert	20	1,586,428	300	401,754	1,811,462	2,700,289
<u>ALBERTA</u>						
Calgary	138	33,192,975	3,260	4,709,398	17,708,412	31,136,017
Edmonton	136	16,583,162	3,609	4,262,365	12,788,843	21,279,845
Medicine Hat	24	6,382,426	540	682,195	7,421,960	9,086,778
Lethbridge	27	3,006,382	352	538,602	1,502,634	2,970,030
<u>BRITISH COLUMBIA</u>						
Vancouver	507	102,105,028	13,334	16,384,973	42,020,970	75,823,721
Victoria	130	16,652,436	2,503	2,965,261	3,880,661	10,510,278
New Westminster	55	8,240,960	1,926	2,226,236	6,309,536	10,013,713
Prince Rupert	17	3,098,722	388	459,578	2,409,748	3,523,468
North Vancouver	15	3,852,098	1,425	660,163	651,923	3,029,576
Port Moody	3	1,156,392	286	333,840	1,299,670	2,124,608
Fernie	7	5,086,328	191	244,775	587,369	1,296,673
Nelson	21	1,442,994	260	312,289	515,032	1,184,560
Kelowna	18	923,996	496	252,040	680,216	1,167,148
Rossland	8	5,819,015	69	136,959	8,828	1,051,100
Total of 191 urban municipalities	10,447	3,009,003,515	444,795	507,621,378	1,319,689,304	2,461,262,116
Total for Dominion	22,331	3,808,309,981	544,225	596,015,171	1,587,665,408	2,948,545,315
Per cent of 191 municipalities to total for Dominion	46.80	79.01	81.73	85.16	83.12	83.16



1911

1911

1911

1911

1911

1911

1911

1911

CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.  
Chief, Census of Industry: J. C. Macpherson

MANUFACTURES OF CANADA, 1924

Ottawa, September 1926. The eighth annual report on the manufacturing industries of Canada for the year ending 31st December 1924 is herewith presented, the principal statistical features of which are outlined below:-

Establishments:- The number of individual establishments reporting in 1924 was 22,178, a decline of 464 from the number reported in 1923. The animal products group shows the largest decrease having 262 fewer reports than in 1923, of which dairy factories 73, fish canneries 102, harness and saddlery 34, and fur goods 17 were the principal industries showing decreases. The next largest decrease was in the miscellaneous group of 181, but here the decrease is due to the dropping of 125 establishments making signs and the transfer of 21 sporting goods establishments to the wood and paper group. The industry showing the largest decrease in this group was that of musical instruments with 14.

Capital investment:- The total capital invested in Canadian manufacturing industries rose from \$3,380,322,950 in 1923 to \$3,538,813,460 in 1924, an increase during the year of \$158,490,510 or 4.69 per cent. Fixed capital, comprising land, buildings, machinery and tools, amounted to \$2,310,298,012 and working capital, including materials and supplies on hand, finished products, stocks in process, and cash, trading and operating accounts etc. to \$1,228,515,448.

Employment:- The number of persons employed in the manufacturing industries of Canada in 1924 was 516,177, of whom 76,230 were salaried employees and 432,273 were wage-earners and 7,674 were piece workers employed outside the establishments. Of the salaried employees 59,412 were males and 16,818 were females and of wage-earners 333,156 were males and 99,117 were females. Compared with 1923 there was a decrease in the number of salaried employees of 2,043, in wage-earners of 14,721 and in piece workers of 968.

Salaries and wages paid:- The total payments for labour and service in 1924 amounted to \$561,369,467, of which \$139,614,639 was paid for salaries, \$420,269,406 for wages and \$1,485,422 to outside piece workers. Compared with 1923 there was a decrease in the amount paid for salaries of \$3,124,042, in wages of \$8,461,941, and in payments to outside piece workers of \$141,633.

Materials used:- The total cost of all materials, whether in the raw or partly manufactured condition used in the various processes of manufacture during 1924 was \$1,438,409,681. Compared with the preceding year there was a decrease in the cost of materials of \$31,730,458 or 2.16 per cent.

Value of products:- The gross value of manufactured products at the point of production amounted to \$2,695,053,582 in 1924 which was a decrease of \$86,111,932 when compared with 1923. Of the nine groups, three show increases in value of production viz. the vegetable products, non-ferrous metals and miscellaneous groups, whilst the six remaining groups all show decreases ranging from \$95,870,873 in the iron and steel group to \$3,026,919 in the chemical products group. A comparison by provinces shows that decreases prevailed in the other provinces and increases in each of the Western provinces, Alberta's increase being \$10,907,560, British Columbia's \$5,779,305, Manitoba's \$4,917,482 and Saskatchewan's \$1,976,120.

The net value of production or the value added by manufacture, which is obtained by deducting the cost of materials from the gross value of products, was \$1,256,643,901 in 1924. This added value represented 46.6 per cent of the gross value in 1924 and 47.1 per cent in 1923 or a variation of one-half per cent.





*Report*

C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

REPORT  
on the  
GENERAL MANUFACTURES  
in  
CANADA  
1926

-----+ + +-----

Published by Authority of the Hon. James Malcolm, M.P.,  
Minister of Trade and Commerce

+ + +

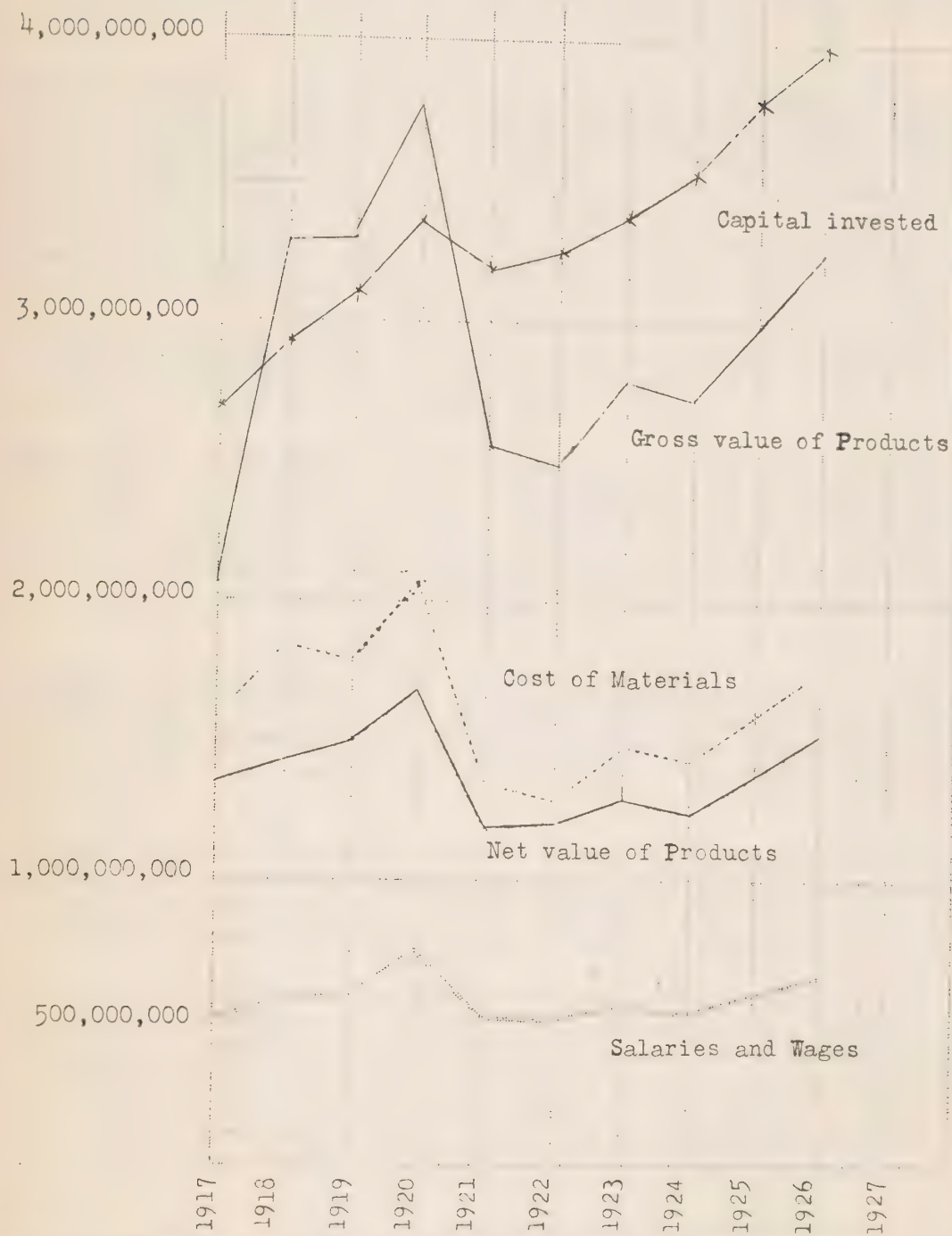
OTTAWA

1929



# PRINCIPAL STATISTICS OF GENERAL MANUFACTURES

DOLLARS







CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

Dominion Statistician: R.H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.  
Chief, Census of Industry: J.C. Macpherson

---

MANUFACTURES OF CANADA, 1926.

Ottawa, January, 1929. A report on the manufacturing industries of Canada for the year ending 31st December, 1926, is herewith presented, the principal statistical features of which are outlined below:-

Establishments.- The number of individual establishments reporting in 1926 was 22,708, an increase of 377 from the number reported in 1925. All of the groups show increases in the number of plants reporting except the vegetable products group which decreased by 29. The wood and paper group shows an increase in the number reporting of 99, followed in order by the iron and steel group with 67, the textile and miscellaneous groups each with 58, the non-metallic mineral group with 49, chemical and allied products group with 46, non-ferrous metal group with 25 and the animal products group with 4.

Capital Investment.- The total capital invested in Canadian manufacturing industries rose from \$3,808,309,981 in 1925 to \$3,981,569,590 in 1926, an increase during the year of \$173,259,609 or 4.55 per cent.

Employment.- The number of persons employed in the manufacturing industries of Canada in 1926 was 583,970, of whom 81,794 were salaried employees, 499,745 wage-earners and 2,431 piece workers employed outside the establishments. Of the salaried employees 63,481 were males and 18,313 were females and of wage-earners 385,202 were males and 114,543 were females. Compared with 1925 there was an increase in the number of salaried employees of 4,171, and in wage-earners of 33,354.

Salaries and Wages paid.- The total payments for labour and services in 1926 amounted to \$654,317,641, of which \$152,705,944 was paid for salaries, \$501,144,989 for wages and \$466,708 to outside piece workers. Compared with 1925 there was an increase in the amount paid for salaries of \$9,649,428 and in wages of \$48,186,334.

Materials used.- The total cost of all materials, whether in the raw or partly manufactured condition, used in the various processes of manufacture during 1926 was \$1,728,624,192. Compared with the preceding year there was an increase in the cost of materials of \$140,958,784 or over 8.25 per cent.

Value of products.- The gross value of manufactured products at the point of production amounted to \$3,247,803,438 in 1926 which was an increase of \$299,258,123 when compared with 1925. Of the nine groups, all show increases in value of production ranging from \$9,682,780 in the chemical group to \$93,810,209 in the iron and steel group. A comparison by provinces show that increases prevailed in eight of the nine provinces, Ontario leading with \$150,778,844, Quebec being next with \$84,737,067 and British Columbia third with \$30,843,879.

The net value of production or the value added by manufacture, which is obtained by deducting the cost of materials from the gross value of products, was \$1,519,179,246 in 1926. This added value represented 46.78 per cent of the gross value in 1926 and 46.15 per cent in 1925 or an increase between the years in added value of \$158,299,339 or 11.63 per cent.





MANUFACTURES OF CANADA, 1926

Comparative Summary of Recent Manufacturing Statistics

A comparative study of the principal statistics of the manufacturing industries of Canada in recent years is afforded in Table 1. The years for which these statistics are presented, are the annual censuses of 1925 and 1926 and the increase or decrease by percentages of the principal items is also included in the table.

Table 1.- Principal Statistics compared for 1925 and 1926.

Items		1925	1926	Increase (+) or decrease (-) p.c. 1926 over 1925.
Establishments	No.	22,331	22,708	+ 1.69
Capital invested	\$	3,808,309,981	3,981,569,590	+ 4.55
Average capital per establishment	\$	170,538	175,338	+ 2.81
Employees on salaries	No.	77,623	81,794	+ 5.37
Salaries	\$	143,056,516	152,705,944	+ 6.74
Average salaries	\$	1,843	1,867	+ 1.30
Employees on wages	No.	466,602	499,745	+ 7.10
Wages	\$	452,958,655	501,144,989	+ 10.64
Average wages	\$	971	1,003	+ 3.30
Cost of materials	\$	1,587,665,408	1,728,624,192	+ 8.25
Average cost of materials per establishment	\$	71,097	76,124	+ 7.07
Value of products	\$	2,948,545,315	3,247,803,438	+ 10.15
Average value of products per establishment	\$	132,038	143,025	+ 8.32
Value added by manufacture	\$	1,360,879,907	1,519,179,246	+ 11.63



...the Dominion, Quebec being second with 27.90 per cent, whilst the remaining provinces follow in the order named:- British Columbia 7.61 per cent, Manitoba 4.10 per cent, Alberta 2.57 per cent, Nova Scotia 2.27 per cent, Saskatchewan 1.46 per cent and P. E. Island .13 per cent.

In the industrial group classification first place is taken by the Vegetable products group having 20.27 per cent of the total (of all groups). The wood and paper group is second with 18.47 per cent, iron and steel products third with 15.55 per cent, animal products fourth with 13.92 per cent, textile products fifth with 11.28 per cent followed in order by the miscellaneous group with 5.72 per cent, the non-ferrous metal group with 5.65 per cent, the non-metallic mineral group with 5.36 per cent, the chemical products group last with 3.78 per cent.

Table 2. - Summary of the Principal Statistics of the Manufacturing Industries of Canada, 1926 - (a) By Provinces (b) By Groups of Industries.

	No. of Establishments	Capital \$	Employees on Salaries				Employees on Wages		Cost of Materials	Gross Value of Products
			Male No.	Female No.	Salaries \$	Male No.	Female No.	Wages \$		
CANADA	22,708	3,981,569,590	63,481	18,313	152,705,944	385,202	114,543	501,144,989	1,728,624,192	3,247,803,438
(a) Provinces										
Prince Edward Island	299	2,850,010	164	33	168,709	1,234	830	521,694	2,637,960	4,069,335
Nova Scotia	1,163	118,050,902	1,213	378	2,451,268	11,811	3,380	10,563,439	39,137,265	73,505,642
New Brunswick	910	95,661,154	1,260	319	2,868,984	12,359	3,736	11,740,750	44,074,961	74,122,239
Quebec	7,164	1,216,975,958	17,890	4,365	42,621,293	114,024	44,390	146,704,852	442,927,613	965,300,024
Ontario	9,457	1,985,165,921	33,098	11,112	82,705,144	184,410	51,733	252,459,095	908,044,673	1,677,933,504
Manitoba	797	127,445,924	2,907	715	6,658,489	14,515	3,064	20,315,361	75,000,529	132,718,452
Saskatchewan	674	33,943,060	1,074	200	2,135,585	3,277	353	4,261,960	29,128,035	47,108,097
Alberta	749	72,468,286	1,686	398	3,711,398	6,995	1,154	9,091,156	49,826,532	83,425,631
British Columbia and Yukon	1,495	329,008,375	4,189	793	9,385,074	36,577	5,903	45,480,682	137,846,624	249,619,714
(b) Groups of Industries										
Vegetable Products	4,529	449,257,094	7,654	2,155	19,479,894	43,622	20,477	55,869,692	414,316,414	658,320,718
Animal Products	4,896	223,938,559	8,991	1,908	16,347,519	41,180	15,764	43,856,467	329,114,267	452,634,525
Textiles and Textile Products	1,698	317,275,429	5,466	2,646	15,890,317	36,154	56,306	72,706,435	202,832,383	366,334,644
Wood and Paper Products	6,751	929,589,278	13,759	4,203	34,865,789	106,365	9,860	126,050,940	261,001,976	600,064,661
Iron and Steel Products	1,142	597,982,098	10,405	2,710	26,346,010	87,302	3,093	111,294,055	258,020,373	505,188,849
Non-ferrous metal Products	403	202,503,426	4,391	1,434	10,608,057	20,589	3,681	28,593,090	90,613,004	183,501,723
Non-metallic mineral Products	1,240	261,724,184	2,959	679	6,423,911	21,402	1,005	25,563,038	82,293,319	174,156,523
Chemicals and chemical Products	556	133,407,891	2,849	1,050	8,015,625	7,929	2,517	10,293,752	60,124,582	122,509,526
Miscellaneous Industries	436	109,669,565	2,153	578	5,602,544	13,057	1,840	16,100,798	30,307,874	70,143,531
Central Electric Stations	1,057	756,220,066	4,854	950	9,126,278	7,602	-	10,816,722	-	115,467,540











Ranked in order of the value of gross production, producer's materials stand first with a total value of \$935,766, 746 or 28.8 per cent, followed by the food group with a total of \$783,223,094 or 24.1 per cent, the industrial equipment group third, with a total of \$542,915,034 or 16.7 per cent and the clothing group fourth, with a total of \$306,551,672 or 9.4 per cent.

An analysis of the relative standing of the two purpose groups of more general interest is here presented. The food group of industries has a gross production of 24.1 per cent of the output of all Canadian manufacturing concerns as compared with 9.4 per cent for the clothing group. It will be noted that the much greater production in the food group was in part due to the higher cost of raw materials in that group as compared with the cost of such materials in the clothing group, the value added by the processes of manufacture being 13.28 per cent of the total for all industries for the food group as compared with a percentage of 9.7 for the clothing group. The clothing group maintains a larger payroll than the food group despite the fact that a smaller output was recorded than for the food group, the anomaly being explained by the greater prevalence of female labour in the clothing industries. The total payroll compared for the two groups to the total of all groups of industries was 16.7 per cent for the food group and 15.6 per cent for the clothing group.

Table 4.- Principal Statistics of the Manufacturing Industries of Canada, classified according to the Purpose of the Principal Products, for the calendar year 1926.

	No. of estab- lish- ments.	Capital \$	Employees on salaries		Employees on wages		Cost of Materials \$	Value of Products \$
			Male No.	Female No.	Male No.	Female No.		
TOTAL	22,708	3,981,569,590	63,481	18,313	385,202	114,543	1,728,624,192	3,247,803,535
Food	8,259	394,159,943	11,173	2,488	53,240	20,442	581,403,701	783,223,094
Clothing	1,878	211,149,085	6,020	2,980	32,425	49,790	158,935,630	306,551,672
Beverages and tobacco	574	137,139,189	2,284	456	7,885	4,716	45,115,122	130,095,167
Personal utilities	384	50,497,988	1,236	597	6,819	1,981	24,236,592	49,722,101
House furnishings	543	60,277,954	1,442	457	12,178	1,607	22,673,689	55,353,652
Books and stationery	1,716	108,582,186	6,405	2,609	17,156	5,330	34,575,475	116,119,226
Vehicles and vessels	917	271,239,055	4,415	932	44,006	1,378	178,558,815	298,664,187
Producers' materials	5,807	1,404,509,475	13,736	3,011	145,033	20,819	453,319,993	935,766,746
Industrial equipment	2,457	1,313,175,892	15,961	4,483	63,941	7,571	213,697,326	542,915,034
Miscellaneous	173	30,838,823	809	300	2,519	909	16,107,849	29,190,480



Table 6 presents comparative statistics by groups of industries for the calendar years 1925 and 1926. Increases appear in nearly every statistical item of the table, the decrease in the number of establishments in the vegetable group being the outstanding one, accounted for principally by a decline in the number of fruit and vegetable canneries reporting in 1926.

Table 6. - Principal Statistics by Groups of Industries, 1925 and 1926.

Groups of Industries	No. of Establishments.	Capital	Salaried Employees		Wage-Earners		Cost of Materials	Value of Products
			Male	Female	Salaries	Male	Female	
	No.	\$	No.	No.	\$	No.	No.	\$
<u>1925</u>								
Vegetable Products	4,558	439,490,764	7,685	2,104	18,584,887	42,282	19,964	632,211,264
Animal Products	4,892	210,015,438	8,529	1,639	15,587,875	38,457	15,000	431,778,163
Textiles and Textile Products	1,640	305,776,409	5,301	2,537	15,317,622	35,187	51,506	337,188,684
Wood and Paper Products	6,652	907,204,530	13,395	3,802	32,761,145	101,530	9,132	557,194,453
Iron and Steel Products	1,075	567,912,477	9,676	2,514	24,315,566	75,166	2,769	411,378,640
Non-ferrous Metal Products	378	181,600,227	3,888	1,247	9,570,624	18,934	3,666	159,770,026
Non-Metallic Mineral Products	1,191	239,823,825	2,543	640	5,797,692	20,394	891	144,248,592
Chemicals and Chemical Products	510	126,483,348	2,823	1,006	7,604,298	7,706	2,416	112,906,746
Miscellaneous Industries	1,435	830,002,963	6,545	1,699	13,515,807	19,939	1,663	161,868,747
<u>T O T A L</u>	22,331	3,808,309,981	60,385	17,238	143,056,516	359,595	107,007	2,948,545,315
<u>1926</u>								
Vegetable Products	4,529	449,259,094	7,654	2,155	19,479,894	43,622	20,477	658,320,716
Animal Products	4,896	223,938,559	8,991	1,908	16,347,519	41,180	15,764	452,034,925
Textiles and Textile Products	1,698	317,275,429	5,466	2,646	15,890,317	36,154	56,306	366,334,444
Wood and Paper Products	6,751	929,589,278	13,759	4,203	34,865,789	106,365	9,860	600,064,661
Iron and Steel Products	1,142	597,982,098	10,405	2,710	26,346,010	87,302	3,093	505,188,849
Non-ferrous Metal Products	403	202,503,426	4,391	1,434	10,608,057	20,589	3,681	183,501,723
Non-Metallic Mineral Products	1,240	261,724,184	2,959	679	6,423,911	21,402	1,005	174,156,923
Chemicals and Chemical Products	556	133,407,891	2,849	1,050	8,015,625	7,929	2,517	122,589,526
Miscellaneous Industries	436	109,669,565	2,153	578	5,602,544	13,057	1,840	70,143,531
Central Electric Stations	1,057	756,220,066	5,804	-	9,126,278	7,602	-	115,467,940
<u>T O T A L</u>	22,708	3,981,569,590	63,481	18,313	152,705,944	385,202	114,543	3,247,803,438





The consumption of manufactured products is made possible by the placing of the classification of external trade and production on a common basis. Table 7 gives the value of goods manufactured in Canada (Col. 1) which added to the value imported for consumption (Col. 2) less the exports of manufactured and partly manufactured goods (Col. 3) leaves the value of manufactured products available for consumption (Col. 4). In 1926 iron and its products were first in value of goods made available for consumption with vegetable products and textiles in second and third positions. The total for all groups available for consumption amounted to \$3,343,397,137 in 1926, as against \$2,927,553,393 in 1925 and \$2,660,321,820 in 1924. It should be observed that considerable duplication occurs in the value of manufactured products where several processes are performed upon a commodity before it is ready for ultimate use.

Table 7. - Consumption of Manufactured Products in Canada, 1926.

	Value of manufactured goods	Manufactured and Partly Manufactured Goods		Value of Products available for con- sumption.
		Imports	Exports	
		\$	\$	\$
Vegetable Products	658,320,716	124,776,657	146,553,754	636,543,619
Animal Products	452,034,925	27,137,009	87,568,152	391,603,782
Textile Products	366,334,644	148,360,194	6,077,355	508,617,483
Wood and Paper Products	600,064,661	46,914,298	257,030,265	389,948,694
Iron and Its Products	505,188,849	226,594,326	74,277,763	657,505,412
Non-Ferrous Metal Products	183,501,723	47,983,485	53,910,810	177,574,398
Non-Metallic Mineral Products	174,156,923	51,805,752	7,469,459	218,493,416
Chemicals and Allied Products	122,589,526	31,844,715	16,574,753	137,859,408
Miscellaneous Industries	70,143,531	62,169,697	18,047,318	114,205,910
Central Electric Stations	115,467,940	88,012	4,590,817	110,965,135
T O T A L	3,247,803,438	767,694,145	672,100,446	3,343,397,137

Note. - Statistics of manufactured products are for the calendar year 1926. Imports and exports of manufactured and partly manufactured goods are for the fiscal year ended March 31, 1927.









Table 9. - Principal Statistics of the Forty Industries of Canada, 1926, (cont'd)

Industry	No. of Estab- lish- ments	Capital \$	Employees on Salaries			Wage-earners		Cost of Material's \$	Value of Products \$	
			Male No.	Female No.	Salaries \$	Male No.	Female No.			Wages \$
27. Sheet metal products	135	32,484,762	899	268	2,154,172	5,670	639	6,682,563	20,931,052	39,077,034
28. Machinery	156	59,711,942	1,458	451	3,533,665	7,385	254	8,909,945	13,455,829	32,380,019
29. Agricultural implements	69	78,947,274	1,220	308	2,548,069	8,414	149	10,088,846	18,160,336	38,269,214
30. Fish curing and packing	831	28,868,071	501	45	733,760	10,261	6,601	4,869,077	22,034,129	36,190,764
31. Printing and bookbinding	812	32,695,864	1,327	455	3,586,372	6,052	2,115	9,437,434	10,446,235	32,536,389
32. Furniture and upholstery	331	34,070,226	738	253	2,002,774	8,397	412	8,454,646	11,364,955	31,293,442
33. Acids, alkalies, salts and compressed gases										
34. Leather tanneries	43	38,389,663	400	93	993,007	1,893	14	2,604,466	13,360,268	30,232,322
35. Furnishing goods, men's	108	29,348,291	267	61	756,911	3,509	97	3,542,959	18,869,383	27,747,605
36. Paints and varnishes	139	17,616,262	476	216	1,159,494	989	6,516	4,848,699	16,244,847	26,394,517
37. Fruit and vegetable canneries	64	22,890,807	637	190	1,757,097	1,441	216	1,618,864	13,105,367	24,803,237
38. Hardware and tools	215	28,103,411	350	145	741,969	2,378	4,005	2,337,093	14,036,616	23,230,598
39. Brass and copper products	123	32,103,226	558	222	1,548,837	4,617	910	5,363,581	7,151,242	22,829,695
40. Soaps, washing compounds and toilet preparations	98	20,764,404	650	157	1,521,160	3,363	363	4,195,369	11,810,686	22,028,636
Total, forty leading industries	108	17,351,378	411	185	1,172,790	968	504	1,416,670	10,959,995	19,072,528
Total, all industries	17,263	3,216,210,840	49,093	13,407	114,437,958	302,638	83,138	391,506,279	1,427,401,001	2,611,998,395
Percentage of forty leading industries to all industries	22,708	3,981,569,590	63,481	18,313	152,705,944	385,202	114,543	501,144,989	1,728,624,192	3,247,803,438
	76.02	80.78	77.67	71.74	74.94	78.57	72.59	78.12	82.57	80.42





Table 10 presents statistics of capital investment in the manufacturing industries of Canada by provinces and by industrial groups for the calendar year 1926. The increase in the total capital investment over 1925 amounted to \$173,259,609 made up of \$101,790,115 fixed capital and \$71,469,494 working capital. The average capital invested in each establishment advanced from \$149,294 in 1923 to \$159,564 in 1924, to \$170,538 in 1925 and to \$175,338 in 1926, or an increase per plant of \$10,270 or 6.9 per cent in the 1923-24 period, an increase of \$10,975 or 6.9 per cent in the 1924-25 period and an increase of \$4,800 in the 1925-6 period or 2.8 per cent. The increase in capital is indicative of continued improvement in manufacturing conditions throughout the Dominion.

Table 10. - Distribution of Capital by Provinces and Groups of Industries.

	No.	\$	Number of Establish- ments	Land, buildings fixtures, machinery and tools	Materials on hand, Stocks in process, finished pro- ducts, etc.	Cash, trading and operating accounts and bills receiv- able	Total Capital
Prince Edward Island	299	2,120,537			440,407	289,066	2,850,010
Nova Scotia	1,163	94,116,617			13,209,130	10,725,155	118,050,902
New Brunswick	910	65,040,530			19,669,161	10,951,463	95,661,154
Quebec	7,164	838,125,437			206,128,921	172,721,600	1,216,975,958
Ontario	9,457	1,230,361,812			389,477,828	365,326,281	1,985,165,921
Manitoba	797	90,001,125			20,341,007	17,103,792	127,445,924
Saskatchewan	674	23,666,843			6,535,766	3,740,451	33,943,060
Alberta	749	51,328,299			12,704,734	8,435,253	72,468,286
British Columbia and Yukon	1,495	232,202,490			53,944,513	42,861,372	329,006,375
T O T A L	22,708	2,626,963,690			722,451,467	632,154,433	3,981,569,590
Vegetable products	4,529	252,153,333			114,667,443	82,438,318	449,259,094
Animal products	4,896	110,282,893			68,208,172	45,447,494	223,938,559
Textiles and textile products	1,698	159,297,651			82,205,290	75,772,488	317,275,429
Wood and paper products	6,751	624,795,278			174,464,297	130,329,703	929,589,278
Iron and its products	1,142	334,180,410			131,661,404	132,140,284	597,982,098
Non-ferrous metal products	403	112,145,060			49,308,788	41,049,578	202,503,426
Non-metallic mineral products	1,240	194,069,514			41,329,029	26,325,641	261,724,184
Chemicals and allied products	556	73,473,650			28,913,627	31,020,614	133,407,891
Miscellaneous Industries	436	59,916,536			17,223,314	32,529,715	109,669,565
Central Electric Stations	1,057	706,649,365			14,470,103	35,100,598	756,220,066





The number of persons employed in the manufacturing industries of Canada in 1926 exclusive of outside piece-workers was 581,539 as compared with 544,225 in 1925, 508,503 in 1924, 525,267 in 1923, 462,573 in 1922 and 439,889 in 1921. Of these employed in 1926 the number of salaries totalled 81,794 of which 63,481 were males and 18,313 females, whilst these employed on wages numbered 499,745 of whom 385,202 were males and 114,543 females. The figures relating to wage-earners are averages for the year and are ascertained by dividing the total number employed by months during the year by twelve.

The average number of employees per establishment which had risen from 21 in 1922 to 23.2 in 1923 fell in 1924 to 22.9, but rose again in 1925 to 24.4 and in 1926 to 25.6 whilst the average payment in salaries and wages per establishment rose from \$22,645 in 1922 to \$25,240 in 1923 to \$25,245 in 1924 and to \$26,690 in 1925. The average per employee advanced from \$1,791.28 in 1922 to \$1,823.60 in 1923 to \$1,831.49 in 1924 to \$1,843 in 1925 and rose again to \$1,003 in 1926. The total amount paid for services in 1926 was \$653,850,933 of which \$152,705,944 represented salaries and \$501,144,989 represented wages.

Pieceworkers employed outside the establishment in 1926 totalled 2,431 of whom 475 were males and 1,956 females, whilst the total payments to such out-workers amounted to \$466,708. In Table 11 below the statistics of employment are shown by provinces and by groups of industries. The province of Ontario furnished 48.2 per cent of the number employed and paid 51.3 per cent of the total cost of salaries and wages. The Quebec is second with 31 per cent of the number employed and 29 per cent of the cost of salaries and wages. Of the industrial groups, wood and paper furnished employment to the highest number having 23 per cent of the total followed in order by the iron and steel group with 17.8 per cent and the textile group with 17.3 per cent.

Table 11. - Employees, Salaries and Wages, 1926.

(a) Provinces	Employees on Salaries		Total Salaries	Employees on Wages		Total Wages
	Male	Female		Male	Female	
	No.	No.		No.	No.	
Prince Edward Island	164	33	\$ 168,709	1,234	830	\$ 521,694
Nova Scotia	1,213	378	2,451,268	11,811	3,380	10,563,439
New Brunswick	1,260	319	2,868,984	12,359	3,736	11,740,750
Quebec	17,890	4,365	42,621,293	114,024	44,390	146,704,852
Ontario	33,098	11,112	82,705,144	184,410	51,733	252,459,095
Manitoba	2,907	715	6,658,489	14,515	3,064	20,315,361
Saskatchewan	1,074	200	2,135,585	3,277	353	4,261,960
Alberta	1,686	398	3,711,398	6,995	1,154	9,097,156
British Columbia and Yukon	4,189	793	9,385,074	36,577	5,903	45,480,682
CANADA, TOTALS	63,481	18,313	152,705,944	385,202	114,543	501,144,989



Table 8. - EMPLOYEES, SALARIES AND WAGES, 1926 - Cont'd.

(b) Groups of Industries	Employees or Salaries		Total Salaries	Employees on Wages		Total Wages
	Male	Female		Male	Female	
	No.	No.		\$	No.	\$
Vegetable products	7,654	2,155	19,479,894	43,622	20,477	55,869,692
Animal products	8,991	1,908	16,347,519	41,180	15,764	43,856,467
Textiles and textile products	5,466	2,646	15,890,317	36,154	56,306	72,706,435
Wood and paper products	13,759	4,203	34,865,789	106,365	9,860	126,050,940
Iron and its products	10,405	2,710	26,346,010	87,302	3,093	111,294,055
Non-ferrous metal products	4,391	1,434	10,608,057	20,589	3,681	28,593,090
Non-metallic mineral products	2,959	679	6,423,911	21,402	1,005	25,563,038
Chemicals and allied products	2,849	1,050	8,015,625	7,929	2,517	10,293,752
Miscellaneous industries	2,153	578	5,602,544	13,057	1,840	16,100,798
Central Electric Stations	5,854	950	9,126,278	7,602	-	10,816,122
TOTAL	63,481	18,313	152,705,944	385,202	114,543	501,144,989

Another view of the trend of employment is afforded by comparing the index numbers of employment in the manufacturing groups of industries by months for the calendar years 1921, 1922, 1923, 1924 and 1925 as presented in Table 9.

Table 9. - Index Numbers of Employment in the Manufacturing Groups of Industries by Months for the Calendar Years, 1921-1922  
1923, 1924, 1925 and 1926.

Months	1921	1922	1923	1924	1925	1926
January	78.4	68.7	78.1	80.1	75.5	83.2
February	84.8	73.0	85.0	84.9	79.3	85.9
March	84.6	78.1	87.5	86.0	81.9	87.7
April	80.7	78.0	85.6	86.5	84.3	89.3
May	80.2	79.0	90.5	87.7	86.6	91.3
June	81.1	84.2	93.5	88.4	88.3	93.9
July	80.9	84.2	93.6	87.7	89.1	95.3
August	81.3	85.8	93.5	86.2	88.5	95.8
September	79.3	86.5	93.0	84.5	89.4	96.9
October	81.3	86.7	91.8	85.7	91.3	96.7
November	81.1	87.7	91.2	84.2	89.2	94.9
December	79.3	87.7	88.2	82.0	88.1	93.8





A classification of industries based on chief component material is presented in Table 10 for the nine main groups into which all industry has been divided. Each group is further divided into the industries which from their use of common raw materials fell into certain well defined classes. The principle of classification by chief component materials cannot, however, be applied to modern industry with absolute precision owing to the highly complex organization of present day industry.

The table presents the principal statistics of each industry within the groups in such manner that further explanation is unnecessary.

Table 10.- Classification of Industry by Chief Component Material, 1926.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees		Salaries \$	Wage-earners		Cost of Materials \$	Value of Products	
			Males No.	Females No.		Males No.	Females No.		Gross \$	Net \$
CANADA										
1. Vegetable Products	22,708	3,981,569,590	64,431	17,363	152,705,944	385,202	114,543	1,728,624,192	3,247,803,435	1,519,179,246
Biscuits, confectionery and chewing gum	4,529	449,259,094	7,654	2,155	19,479,894	43,622	20,477	414,316,414	658,320,716	244,004,302
Bread and other bakery products	315	42,422,378	1,383	452	3,466,128	4,473	5,668	23,644,253	49,178,836	25,534,581
Breweries	2,214	37,416,979	549	239	1,258,897	11,059	1,592	32,928,065	62,920,009	29,991,944
Cigars and cigarettes	63	53,893,942	593	68	1,803,133	3,275	40	14,448,510	43,602,960	29,154,450
Cocoa and chocolate	84	33,395,516	964	263	2,399,560	1,839	3,269	16,090,776	50,011,400	33,920,624
Coffee and spices	4	3,866,497	106	22	250,079	244	209	2,364,882	3,906,087	1,541,205
Distilleries	50	9,650,748	257	78	759,824	376	329	12,289,936	15,499,273	3,209,337
Feed and grist mills	15	26,422,006	110	26	312,087	700	179	3,676,197	12,216,906	8,540,709
Flour mills	849	5,154,458	18	8	32,618	1,132	2	17,915,541	21,046,462	3,130,921
Fruit and vegetable canning, evaporating, etc.	442	53,181,355	937	185	2,145,172	3,933	133	145,989,909	168,534,279	22,544,370
Ice cream cones	215	28,403,411	350	145	741,969	2,378	4,005	14,036,616	23,230,598	9,193,982
Linseed oil and oil cake	7	642,402	5	1	17,245	44	24	119,198	425,059	305,861
Macaroni and vermicelli	8	2,691,550	31	6	84,369	193	1	5,364,364	6,486,924	1,122,560
Malt mills	11	1,286,097	49	14	106,091	133	121	960,373	1,560,510	600,137
Maple syrup and sugar	5	3,470,215	28	6	75,778	141	-	2,105,700	3,943,101	1,837,401
Miscellaneous food industries	6	267,481	15	4	37,030	27	2	336,610	493,626	157,016
Miscellaneous vegetable products	50	8,097,986	178	60	432,519	470	242	4,467,723	8,925,132	4,457,409
Pickles, vinegar and cider	6	1,658,435	11	3	25,355	106	10	2,769,388	3,790,567	1,021,179
Rice mills	57	5,850,102	108	30	246,841	499	343	3,178,261	7,004,034	3,825,773
Rubber footwear	5	1,502,809	21	4	68,690	49	-	1,576,485	1,751,812	175,327
Rubber tires and other rubber goods	9	14,482,939	519	174	1,031,890	3,395	2,066	10,213,176	22,929,744	12,716,568
	30	48,178,763	843	250	2,064,444	5,343	997	39,689,013	63,578,393	23,889,380





Table 10.- Classification of Industry by Chief Component Material, 1926 - Cont'd.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees		Salaries \$	Wage-earners		Cost of Materials \$	Value of Products	
			Males No.	Females No.		Males No.	Females No.		Gross \$	Net \$
1. Vegetable Products -Cont'd.										
Starch and glucose	3	4,964,775	37	28	152,566	426	20	485,842	3,199,003	4,988,860
Sugar refineries	8	49,748,404	299	53	1,002,218	2,458	106	2,965,922	48,848,507	64,270,687
Syrups	8	177,648	7	5	18,715	25	14	29,333	257,764	367,960
Tobacco, chewing, smoking and snuff	38									
Wines and grape juice	27	9,053,740	183	22	794,052	780	1,136	1,069,306	6,496,375	15,172,361
		3,678,458	53	9	152,624	123	19	142,196	1,349,787	2,485,136
2. Animal Products	4,896	223,938,559	8,991	1,908	16,347,519	41,180	15,764	43,856,467	329,114,267	452,034,925
Animal hair goods	6	702,836	18	3	47,806	74	24	77,066	287,924	689,402
Animal oils and fats	6	754,214	7	4	21,462	93	7	116,418	329,303	535,120
Belting leather	10	1,439,634	57	17	145,124	140	-	152,375	788,626	1,257,018
Boots and shoe findings	15	1,415,737	32	6	79,586	246	71	259,720	710,158	1,410,884
Boots and shoes, leather	186	31,325,331	1,010	330	2,647,677	8,338	5,338	12,079,086	24,091,923	46,096,163
Butter and cheese	3,021	39,964,526	3,710	608	4,488,652	6,641	265	6,918,331	92,200,617	120,193,417
Condensed milk	26	7,127,063	129	34	288,849	620	62	702,658	9,202,220	13,159,659
Fish curing and packing	831	28,868,071	501	45	733,760	10,261	6,601	4,889,077	22,034,129	36,190,764
Fur dressing and dyeing	11	1,588,357	45	5	126,262	597	108	698,173	257,258	2,834,439
Fur goods	221	11,733,311	321	197	867,605	1,095	1,294	2,636,691	12,202,092	18,941,249
Gloves and mittens, leather	41	2,328,940	156	41	288,456	481	691	814,892	2,078,134	3,609,277
Harness and saddlery	246	5,989,288	165	57	309,538	914	75	989,773	3,135,518	5,315,629
Human hair goods	5	49,994	1	1	1,671	9	12	18,194	18,948	42,539
Leather goods, n.e.s.	38	1,422,594	76	26	178,241	256	319	459,041	1,036,668	2,221,706
Leather, tanned, etc.	108	29,348,291	267	61	756,911	3,509	97	3,542,959	18,869,383	27,747,605
Sausages and sausage casings	35	1,488,437	28	8	73,903	190	20	249,590	1,449,120	2,130,606
Slaughtering and meat packing	73	55,712,724	2,399	442	5,118,148	7,160	684	8,639,490	139,200,096	167,127,091
Trunks, bags, etc.	17	2,679,211	69	23	174,068	556	96	612,933	1,222,150	2,532,357
3. Textile Products	1,698	317,275,429	5,466	2,646	15,890,317	36,154	56,306	72,706,435	202,832,383	366,334,644
Awning, tents and sails	49	1,918,171	78	23	170,224	173	159	309,974	1,325,702	2,232,440
Bags, cotton and jute	14	5,565,514	76	22	257,877	282	595	672,902	12,277,373	14,072,099
Batting	8	2,461,898	51	24	161,992	133	112	196,670	1,218,331	2,404,251
Carpets, mats and rugs	17	4,037,183	112	23	273,487	483	210	569,548	1,515,052	3,152,800
Clothing, men's factory	188	25,826,383	984	374	2,619,749	4,523	5,266	9,878,835	21,944,919	41,784,131
Clothing, women's factory	385	21,972,236	910	646	3,039,809	3,379	9,052	10,942,176	28,760,191	50,658,319
Cordage, rope and twine	11	15,679,569	89	28	253,092	1,051	346	1,338,033	7,566,817	10,574,682
Corsets	16	4,129,882	146	142	435,563	69	950	625,426	2,241,554	4,048,926





Table 10.- Classification of Industry by Chief Component Material, 1926 - Cont'd.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees		Salaries \$	Wage-earners		Cost of Materials \$	Value of Products	
			Males No.	Females No.		Males No.	Females No.		Gross \$	Net \$
3. Textile Products -Cont'd.										
Cotton and wool waste	8	1,192,898	22	12	65,661	162	74	195,343	2,390,198	560,169
Cotton goods, n.e.s.	16	878,754	30	12	83,573	59	222	197,409	1,524,106	538,360
Cotton threads	5	4,154,658	75	26	171,066	174	499	515,792	4,538,217	2,177,867
Cotton yarn and cloth	38	83,439,179	474	97	1,368,574	10,557	9,195	13,860,432	76,274,257	32,008,728
Dyeing, cleaning and laundry work	350	17,278,327	382	271	1,225,766	3,356	4,963	6,999,925	17,642,268	15,538,092
Flax, dressed	13	307,723	4	-	5,800	119	15	55,207	176,327	117,804
Furnishing goods, men's	139	17,616,262	476	216	1,159,494	989	6,516	4,848,699	26,394,517	10,149,670
Hats and caps	138	7,107,380	341	173	877,630	1,390	2,283	3,047,868	13,671,126	6,900,600
Hosiery, knit goods and fabric gloves	167	51,609,116	647	373	2,056,561	4,544	10,910	11,255,235	53,675,759	24,462,910
Linen goods	6	1,074,854	12	5	43,734	72	133	130,725	515,935	198,241
Miscellaneous textiles, n.e.s.	6	2,873,281	29	7	74,719	162	128	240,846	2,691,529	628,533
Oiled and waterproof clothing	13	985,224	34	13	91,816	90	104	198,411	1,157,182	550,502
Silk goods	12	10,019,519	131	61	357,808	781	1,450	1,627,192	8,507,153	5,034,188
Woollen cloth	54	20,735,523	259	55	675,749	2,285	2,076	3,297,545	15,503,083	6,822,779
Woollen goods, n.e.s.	28	7,994,200	64	23	259,106	668	325	719,138	5,738,462	2,791,350
Woollen yarns	17	8,417,635	40	20	161,467	653	723	983,104	7,006,877	2,944,759
4. Wood and Paper Products	6,751	929,589,278	13,759	4,203	34,865,789	106,365	9,860	126,050,940	600,064,661	339,062,685
Beekeeper's and Poultry-men's supplies	6	32,127	-	-	-	9	1	7,983	45,359	29,602
Blueprinting	13	172,278	15	5	38,728	50	5	42,006	211,151	146,522
Boats and canoes	98	1,616,908	45	12	101,888	537	4	600,745	1,576,276	1,139,217
Boxes and bags, paper	105	15,281,084	378	139	1,145,617	1,521	2,238	2,893,146	15,528,882	7,882,082
Boxes and packing cases	124	9,523,699	233	44	530,164	3,026	260	2,632,363	9,763,360	5,072,352
Carriages, wagons and sleighs	450	7,790,739	151	19	319,048	1,827	15	1,944,949	6,870,069	3,893,927
Carriage and wagon materials	9	1,058,050	16	4	47,521	192	3	198,308	1,100,200	515,750
Clothes pins	3	140,776	3	-	8,496	147	40	90,547	179,615	129,097
Coffins and caskets	36	2,991,223	45	18	129,190	474	94	543,893	2,466,117	1,357,129
Copperage	80	1,994,010	34	9	86,893	483	1	439,288	2,573,696	870,728
Excelsior	10	265,600	14	2	29,258	82	14	59,427	228,750	150,413
Furniture and upholstering	331	34,070,226	738	253	2,002,774	8,397	412	8,454,646	31,293,442	19,928,487





Table 10.- Classification of Industry by Chief Component Material, 1926 - Cont'd.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees		Salaries \$	Wage-earners		Cost of Materials \$	Value of Products	
			Males No.	Females No.		Males No.	Females No.		Gross \$	Net \$
4. Wood and Paper Products-Cont'd.										
Lasts, trees and pegs	13	1,045,940	46	9	93,664	247	61	269,331	761,822	553,290
Lithographing and engraving	112	15,909,878	554	280	1,959,226	2,523	1,065	4,650,924	15,098,534	10,165,078
Miscellaneous wood products	72	3,640,138	78	33	254,632	691	42	665,218	3,710,853	2,338,496
Paper goods, n.e.s.	27	3,507,774	104	86	273,738	370	148	518,326	4,429,419	2,424,140
Planing mills, sash and door factories, etc.	727	49,413,163	995	210	2,055,246	9,290	123	9,569,259	43,426,403	20,639,174
Printing and bookbinding	812	32,695,864	1,327	455	3,586,372	6,052	2,115	9,437,434	32,536,389	22,090,154
Printing and publishing	701	50,858,011	4,135	1,671	9,163,128	7,547	1,358	12,152,218	13,757,474	43,284,749
Pulp and paper	115	501,184,714	2,600	499	7,492,040	27,280	900	36,683,462	215,370,274	130,004,009
Roofing paper, wallboard, etc.	10	4,227,392	88	35	333,159	296	5	346,843	4,774,528	2,071,870
Saw mills	2,780	175,186,704	1,680	254	3,889,747	33,075	69	31,035,644	135,182,592	56,261,176
Sporting goods	19	1,838,758	33	20	70,740	288	85	324,483	797,777	636,560
Stationery and envelopes	29	4,414,027	200	91	540,084	375	636	867,880	3,204,067	2,518,776
Stereotyping and electro-typing	22	1,024,354	70	21	160,494	239	3	391,360	1,078,667	914,332
Wall paper	4	4,063,852	115	20	421,391	379	107	478,701	3,005,003	1,863,516
Woodenware	8	634,854	10	1	25,270	237	12	200,274	552,277	341,797
Wood-turning	26	1,500,818	34	10	69,125	423	44	336,203	1,172,026	678,365
All other industries	9	3,506,317	18	3	38,156	308	-	216,079	2,929,554	1,161,097
5. Iron and its Products	1,142	597,982,098	10,405	2,710	26,346,010	87,302	3,093	111,294,055	258,020,373	247,168,476
Agricultural implements	69	78,947,274	1,220	308	2,548,069	8,414	149	10,088,846	38,269,214	20,108,878
Automobiles	11	82,791,968	1,233	422	3,913,865	10,047	203	15,736,939	89,372,095	44,226,361
Automobile supplies	77	10,501,725	289	80	751,264	2,220	181	2,928,757	13,914,965	6,184,829
Bicycles and motorcycles	5	2,576,222	26	13	66,772	406	37	443,664	1,453,658	706,539
Boilers, tanks and engines	34	8,880,350	224	51	542,601	1,254	3	1,451,121	5,343,208	2,767,086
Castings and forgings	335	91,193,541	1,838	529	4,902,121	16,412	404	19,135,457	70,235,798	42,985,325
Hardware and tools	123	32,103,226	558	222	1,548,837	4,617	910	5,363,581	22,829,695	15,678,453
Iron and steel products, n.e.s.	67	10,772,202	413	93	1,056,330	2,064	42	2,465,903	10,949,751	6,311,137
Machinery	156	59,711,942	1,458	451	3,533,665	7,385	254	8,909,945	38,380,019	24,924,190
Railway rolling stock	36	82,024,510	1,519	104	3,256,241	20,622	41	27,465,502	72,706,052	34,652,493
Sheet metal products	135	32,484,762	899	268	2,154,172	5,670	639	6,682,563	39,077,034	18,145,982
Steel and rolled products, pig iron, ferro-alloys, etc.	33	86,987,454	434	69	1,261,971	5,634	3	7,792,199	41,183,565	21,270,842
Wire and wire goods	61	19,006,922	294	100	810,102	2,557	227	2,829,578	17,247,434	9,206,361





Table 10.- Classification of Industry by Chief Component Material, 1926 - Cont'd.

Name of Industry	Estab- lish- ments No.	Capital \$	Salaried Employees			Wage-earners			Cost of Materials \$	Value of Products	
			Males No.	Females No.	Salaries \$	Males No.	Females No.	Wages \$		Gross \$	Net \$
6. Non-Ferrous Metal Products	403	202,503,426	4,391	1,431	10,608,057	20,589	3,681	28,593,090	90,613,004	183,501,723	92,828,719
Aluminum products	12	3,930,336	46	14	116,594	304	64	437,430	801,835	1,917,010	1,111,977
Brass and copper products	98	20,764,404	650	157	1,521,160	3,363	363	4,195,369	11,810,686	22,028,636	10,211,950
Electrical apparatus and supplies	132	80,323,534	2,636	973	6,276,321	8,944	2,693	12,350,179	30,195,935	69,167,338	39,571,773
Lead, tin and zinc products	25	4,241,731	96	41	257,870	422	50	546,979	3,766,648	5,184,096	1,417,446
Miscellaneous non-ferrous metal products	18	918,420	38	3	101,423	140	41	185,114	344,196	998,512	654,316
Non-ferrous smelting and refining	9	81,779,240	590	45	1,240,936	5,591	-	8,344,002	39,237,657	72,853,566	33,613,909
Precious metal products	109	10,545,761	335	201	1,093,753	1,825	470	2,532,017	4,456,047	10,751,795	6,295,746
7. Non-metallic Mineral Products	1,240	261,724,184	2,959	679	6,423,911	21,402	1,005	25,563,038	82,293,319	174,156,923	91,263,404
Aerated and mineral water	347	10,695,527	381	68	731,092	1,169	73	1,148,229	3,053,477	7,406,504	4,353,027
Asbestos and allied products	14	2,773,433	46	11	117,600	189	24	204,265	750,907	1,530,094	779,187
Cement	12	41,380,000	114	10	272,770	2,216	-	2,779,892	-	13,013,283	13,013,283
Cement products	185	2,857,752	138	12	206,087	766	6	572,575	880,041	2,544,242	1,664,201
Clay products, domestic	200	28,152,062	287	42	673,657	4,044	22	3,673,020	-	10,357,323	10,357,323
Clay products from imported clay	12	2,849,558	58	15	206,126	474	50	577,322	520,218	2,039,514	1,519,206
Coke	6	24,769,899	34	1	99,590	580	-	914,162	9,744,081	15,261,474	7,517,393
Gas, illuminating and fuel	44	55,573,267	743	293	1,390,861	2,633	9	3,492,660	6,226,100	18,264,860	12,038,760
Glass products	52	11,432,823	225	64	535,770	2,455	289	2,907,874	4,884,559	11,670,249	6,781,710
Line	60	5,825,809	77	12	157,950	1,017	-	924,904	-	3,781,484	3,781,484
Miscellaneous non-metallic products	31	8,926,857	124	40	310,201	919	469	1,316,460	3,004,413	8,612,658	5,600,241
Petroleum products	23	57,178,125	448	70	1,106,757	3,209	26	4,785,642	51,172,159	71,196,311	20,024,182
Salt	12	2,782,728	41	10	121,014	300	33	361,637	-	2,049,545	2,049,545
Sand-line brick	10	1,082,577	19	2	42,330	197	-	181,269	197,400	629,672	432,272
Stone, ornamental and monumental	232	5,443,767	224	29	452,106	1,234	4	1,723,117	1,859,964	2,799,690	3,939,726
8. Chemicals and Allied Products	556	133,407,891	2,849	1,050	8,015,625	7,929	2,517	10,293,752	60,124,582	122,589,526	62,464,944
Acids, alkalis, salts and compressed gases	43	38,389,663	400	93	993,007	1,893	14	2,604,466	13,360,268	30,232,322	16,872,054





Table 10.- Classification of Industry by Chief Component Materials, 1926 - Cont'd.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees		Wage-earners		Cost of Materials \$	Value of Products	
			Males No.	Females No.	Salaries \$	Males No.	Females No.	Gross \$	Net \$
8. Chemicals and Allied Products - Cont'd.									
Coal tar and its products	15	4,147,163	35	7	80,314	140	1	176,991	1,228,174
Explosives, ammunition fireworks, matches	14	16,857,120	286	59	853,732	1,268	496	1,389,723	5,327,903
Fertilizers	12	1,891,054	34	12	74,380	175	-	136,047	1,449,589
Inks, dyes and colours	27	2,729,166	108	36	391,271	252	45	337,002	401,948
Medicinal & pharmaceutical prep.	130	17,194,519	493	268	1,513,130	726	878	1,362,547	1,749,988
Miscellaneous chemical industries	134	9,739,972	427	200	1,148,099	829	363	1,068,553	9,829,776
Paints, pigments and varnishes	64	22,890,807	637	190	1,757,097	1,441	216	1,618,864	6,337,280
Soaps, washing compounds and toilet preparations	108	17,351,378	411	185	1,172,790	968	504	1,416,670	11,697,870
Wood distillates and extracts	9	2,217,049	11	-	31,805	237	-	182,889	
9. Miscellaneous industries	436	109,669,565	2,153	578	5,602,544	13,057	1,840	16,100,798	8,112,533
Advertising and other novelties	7	135,845	7	3	23,805	11	43	31,048	907,418
Artificial feathers & flowers	8	292,116	20	18	56,105	17	121	85,379	39,835,657
Bridge building	12	17,236,535	621	72	1,514,718	2,251	-	3,094,670	96,352
Brooms, brushes and mops	81	3,786,269	177	72	434,541	848	222	797,951	272,734
Buttons	13	1,390,717	50	17	148,208	236	253	310,832	7,474,634
Candles and tapers	9	475,747	6	1	18,160	36	21	47,421	2,270,639
Fountain pens	3	1,723,016	34	13	92,776	88	50	119,109	729,974
Ice artificial	27	4,653,742	35	8	78,105	233	2	340,299	139,219
Jewel cases & silverware cabinets	5	199,696	6	11	19,487	25	26	46,870	710,182
Mattresses and springs	55	6,597,910	175	49	523,228	1,007	179	1,276,314	1,219,984
Motion pictures	6	467,314	30	10	69,513	39	8	55,348	111,265
Musical instruments & materials	45	13,653,107	218	98	661,487	2,650	218	3,050,212	3,960,640
Refrigerators	9	780,923	22	2	50,148	242	2	229,118	129,132
Regalia & society emblems	11	208,730	11	6	29,050	20	46	51,721	6,362,083
Scientific & professional equipment	21	14,879,830	157	80	491,788	521	331	866,913	146,351
Shipbuilding and repairs	41	40,270,657	433	55	1,019,051	4,310	6	4,881,739	4,804,292
Stamps and stencils	29	564,714	53	19	98,943	152	12	191,460	8,817,323
Statuary, art goods & church	22	502,599	24	12	56,196	120	115	226,110	421,707
Store and display fixtures	3	249,776	5	4	23,326	79	11	80,294	446,334
Toys and games	13	303,977	18	7	40,078	72	47	84,539	154,346
Typewriter supplies	14	492,267	25	9	92,371	35	13	61,914	235,889
Umbrellas and parasols	9	484,592	19	5	48,430	39	108	103,494	238,882
All other industries	3	139,191	17	-	13,000	26	4	28,043	321,901
10. Central Electric Stations	1,057	756,220,066	5,804	-	9,126,278	7,602	-	10,816,722	71,938
								115,467,940	88,933,753





The fuel used by Canadian industrial establishments in 1926 is presented in Table 11, by provinces and industrial groups. Coal and coke accounted for 73.3 per cent of the total value of fuel consumed and included 6,409,227 tons of bituminous coal valued at \$36,723,359. Oil for fuel comes next in order to bituminous coal, the value in 1926 amounting to \$7,371,769 as against an expenditure of \$7,246,961 in 1925. Of the total fuel used the province of Ontario expended therefore \$29,392,012 or nearly 49.2 per cent, Quebec being next with \$16,333,447, or 27.4 per cent, followed in order by British Columbia with 7.4 per cent and Nova Scotia with 4.4 per cent.

The groups of industries using fuel most extensively in 1926 were wood and paper to the value of \$14,876,842 or approximately 25 per cent, non-metallic mineral products being next with \$11,978,992 or 20.6 per cent, iron and its products next with \$9,308,886 or 15.6 per cent followed by vegetable products with \$7,031,894 or 11.8 per cent.

Table 11: - Fuel Consumption by Provinces and Groups of Industries, 1926.

	Bituminous Coal		Arthracite Coal	Lignite Coal	Coke	Gasoline	Oil (Fuels)	Wood	Gas	All Other Fuel	Total Cost
	Quantity	Value									
	Tons	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Prince Edward Island	10,378	75,729	1,780	50	4,573	1,383	11,353	16,101	-	88	111,057
Nova Scotia	241,817	1,322,943	24,913	467	66,085	21,160	594,297	72,883	462,419	24,123	2,589,290
New Brunswick	297,767	1,663,634	17,913	1,474	12,610	12,529	42,354	194,717	15,614	3,972	1,964,817
Quebec	1,691,956	10,868,778	1,257,170	8,540	302,524	197,483	2,421,713	549,080	388,719	339,440	16,333,447
Ontario	3,190,879	18,820,293	890,996	18,250	2,572,716	358,389	2,413,320	1,209,338	2,721,562	387,148	29,392,012
Manitoba	172,178	1,036,272	27,880	210,458	57,593	56,434	223,511	173,923	91,808	10,701	1,888,580
Saskatchewan	234,003	716,981	14,728	212,849	11,961	78,757	402,928	73,590	86,678	7,782	1,606,284
Alberta	306,239	792,620	17,947	122,172	10,051	46,932	64,826	29,108	293,753	5,597	1,383,006
British Columbia and Yukon	264,010	1,426,109	13,608	4,391	1,138,471	87,236	1,197,467	326,765	172,520	60,937	4,427,504
TOTALS	6,409,227	36,723,359	2,266,935	578,651	4,176,584	860,303	7,371,769	2,645,505	4,233,073	839,788	59,695,997
Industrial Groups											
Vegetable products	673,893	3,806,140	479,948	226,996	424,906	147,930	845,221	507,545	496,949	96,259	7,031,894
Animal products	368,235	2,309,998	90,103	171,389	56,966	124,254	166,683	398,337	54,254	303,744	3,675,723
Textiles and textile products	432,453	2,863,866	223,876	45,083	49,292	88,943	93,538	54,050	71,170	50,515	3,540,323
Wood and paper products	1,823,458	11,611,177	931,811	16,812	17,900	142,863	1,059,321	910,906	121,196	64,826	14,876,842
Iron and steel products	856,662	4,685,847	273,583	70,083	493,008	127,481	1,924,676	90,959	1,444,974	198,275	9,308,886
Non-ferrous metal products	253,426	1,400,440	52,870	4,766	2,534,943	27,994	620,035	43,813	186,866	3,255	4,874,982
Non-metallic mineral products	1,150,629	6,607,713	80,848	39,532	471,245	69,290	2,336,913	536,788	1,781,901	54,762	11,978,992
Chemicals and chemical products	245,979	1,394,917	111,880	1,660	102,278	16,260	82,771	17,416	25,899	57,037	1,810,118
Miscellaneous industries	48,166	321,550	22,016	2,330	26,030	22,872	33,218	9,899	18,636	4,289	460,840
Central electric stations	556,326	1,721,711	1/	1/	16	92,416	209,393	75,792	31,228	6,826	2,137,382

1/ Included in Col. 1 - Bituminous Coal.





The statistics of power equipment in the manufacturing industries of Canada are presented in Table 12. Those comprising all of such industries operating during 1926 and include central electric stations which produce electric energy for driving the machinery of other industries and for lighting purposes. The equipment driven by electricity purchased from central electric stations is shown in column 5 and so as to show only net figures in column 8 for the total power equipment employed, the amounts in column 5 marked # have been excluded from the totals in column 8. The total equipment for each of the groups of industries except central electric stations, includes the motors driven by such purchased power.

The net increase in all primary power equipment compared with that of 1925 was 226,995 h.p. Central electric stations increased their equipment by 195,908 h.p. and other industries reported an increase of only 26,672 h.p., but increased the electric motors operated by power purchased from central electric stations by 222,580 h.p. The excess of the increase in central electric stations took care of the increased lighting load and power load for mines and electric railways which are not included in these industrial statistics. Steam engines and turbines increased by 25,617 h.p., or 2.6 per cent, internal combustion engines by 1,109 h.p. or 1.4 per cent and water wheels and turbines increased by 200,257 h.p. or nearly 5 per cent. The increasing use of electricity in manufacturing industries is indicated by the capacity of electric motors used which increased during the year by 180,224 k.p. or 9.1 per cent.

Table 12. - Power Equipment of Manufacturing Industries of Canada, by Provinces and Groups of Industries, 1926.

(a) Provinces	Steam engines and Turbines H.P.	Internal Combustion Engines H.P.	Hydraulic Turbines or Water Wheels H.P.	Total Primary Power H.P.	Electric Motors		Total Electric Motors H.P.	Total Power Equipment for manufacturing purposes H.P.
					Operated by purchased power H.P.	Operated by power generated by establishment H.P.		
Prince Edward Island	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
Nova Scotia	2,857	1,492	1,406	5,755	285	314	599	6,040
New Brunswick	102,736	3,694	52,947	159,377	20,652	38,746	59,398	180,029
Quebec	66,413	4,308	39,671	110,392	10,929	25,263	36,191	121,321
Ontario	182,257	8,424	1,803,381	1,994,062	630,195	97,660	727,855	2,624,257
Manitoba	328,025	33,947	1,658,327	2,020,299	906,076	143,792	1,049,868	2,926,375
Saskatchewan	47,558	2,002	213,332	262,892	47,781	320	48,101	310,673
Alberta	62,857	12,197	5	75,059	12,304	135	12,439	87,363
British Columbia	78,937	4,929	33,584	117,450	22,881	4,319	27,200	140,331
	146,895	7,561	410,360	564,816	119,231	81,774	201,005	684,047
TOTAL	1,018,535	78,554	4,213,013	5,310,102	1,770,334	392,322	2,162,656	5,310,102 1/
Vegetable products	57,756	10,448	39,268	107,472	160,171	21,490	181,661	267,643
Animal products	26,181	5,964	1,756	33,901	62,250	3,667	65,917	96,151
Textiles and textile products	28,894	1,317	29,717	59,928	93,367	23,766	117,133	153,295
Wood and paper products	375,901	13,079	453,351	842,331	710,554	228,500	939,054	1,552,885
Iron and steel products	146,725	20,937	4,146	171,808	250,548	70,946	321,494	422,356
Non-ferrous metal products	20,000	211	68,860	89,071	139,799	29,097	168,896	228,870
Non-metallic mineral products	25,384	3,667	45	29,096	276,169	9,841	286,010	305,265
Chemicals and allied products	15,966	287	6,470	22,723	40,912	3,506	44,418	63,635
Miscellaneous industry products	7,351	218	15	7,584	36,564	1,509	38,073	44,148
Central Electric Stations	314,377	22,426	3,609,385	3,946,188	-	-	-	3,946,188

1/ Exclusive of electric motors operated by purchased power.





Urban Statistics of Manufactures, 1926.

The statistics of manufactures in urban municipalities having 3 or more establishments and a gross value of production of \$1,000,000 or over in the calendar year 1926 are presented in table 13. In the 197 urban municipalities included in the table the value of manufactured products amounted to \$2,811,262,657 in a total for the whole of Canada of \$3,247,803,438 or 86.56 per cent though the number of establishments represented but 47.66 per cent of the total. Capital investment in the 197 urban municipalities was 79.83 per cent of the total for the Dominion; the number of persons employed 82.38 per cent, the cost of salaries and wages 86.74 per cent and the cost of materials 86.84 per cent.

Table 13. Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1926.

Cities and Towns	Es- tab- lish- ments No.	Capital \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
Prince Edward Island	299	2,850,010	2,261	690,403	2,637,960	4,069,335
Charlottetown	30	1,787,554	453	429,418	990,625	1,687,519
Nova Scotia	1,163	118,050,902	16,782	13,014,707	39,137,265	73,505,642
Dartmouth	16	17,088,662	946	1,146,696	11,549,283	17,485,066
Sydney	31	30,942,920	2,053	2,274,089	7,540,799	16,087,552
Halifax	99	28,786,350	3,287	3,411,519	4,867,968	12,224,912
Truro	27	4,015,711	778	629,748	1,533,646	3,132,371
New Glasgow	29	6,939,652	611	635,381	1,485,796	2,771,403
Yarmouth	24	2,770,752	580	507,025	1,234,783	2,522,011
Amherst	21	4,440,432	735	701,936	1,067,174	2,157,314
Canso	4	437,735	245	154,406	565,070	1,051,293
New Brunswick	910	95,661,154	17,674	14,609,734	44,074,961	74,122,239
St. John	125	32,192,490	3,394	3,453,222	20,984,500	29,310,292
Moncton	37	7,265,531	2,133	2,410,192	2,776,943	5,738,911
Bathurst	15	7,928,401	602	664,202	1,354,394	3,633,813
Edmundston	11	5,714,505	404	490,975	1,546,655	3,447,485
St. Stephen	15	2,598,621	705	655,806	1,830,987	3,205,063
Fredericton	34	2,884,409	792	702,732	1,258,594	2,856,615
Chatham	13	3,270,441	647	435,232	1,105,326	1,915,624
Campbellton	16	2,913,176	487	358,848	1,044,250	1,876,040
Newcastle	14	2,767,218	381	286,600	764,677	1,190,280
Quebec	7,164	1,216,975,958	180,669	189,326,145	442,927,613	905,300,824
Montreal	1,729	542,412,908	95,904	109,147,450	275,322,256	555,269,114
Three Rivers	54	60,560,461	6,488	7,518,627	18,272,720	41,888,163
Quebec	255	43,872,301	9,032	7,709,742	13,982,090	32,347,175
Shawinigan Falls	20	86,745,813	3,313	4,065,427	8,070,871	26,310,823
Sherbrooke	70	21,995,179	4,121	4,089,749	7,757,624	15,465,596
Hull	38	14,340,102	2,778	2,805,357	6,063,104	12,234,012
Lachine	25	16,115,714	2,152	3,330,223	4,888,310	10,731,995
Valleyfield	21	10,573,730	2,848	2,283,963	3,247,495	10,625,938
Grand'Mere	11	52,353,495	1,314	1,997,236	2,905,487	9,576,949
Granby	28	8,531,416	2,251	1,963,831	4,111,930	9,166,010
Magog	11	5,882,702	1,439	876,543	6,591,383	8,334,814
St. Hyacinthe	47	6,770,249	2,376	1,629,112	4,072,000	7,294,215
St. John	28	7,886,368	2,277	2,195,837	3,366,559	6,667,750
St. Jerome	25	5,732,434	1,741	1,437,258	3,073,095	5,967,026
East Angus	5	15,270,297	778	929,967	2,622,871	5,108,473
Beloeil	6	4,234,514	450	665,969	2,677,522	4,448,239
La Tuque	10	8,004,046	577	839,582	1,937,755	4,353,917
Port Alfred	3	20,128,866	636	922,117	1,364,558	4,078,254
Drummondville	20	7,254,485	1,235	918,549	2,304,877	4,064,496
Victoriaville	21	4,171,398	1,043	849,965	1,445,310	3,867,086
Donnacona	3	10,140,328	520	889,626	1,545,748	3,762,329
St. Joseph d'Alma	5	10,363,900	518	810,379	973,818	3,520,186
Chicoutimi	19	10,480,419	790	636,174	1,847,000	3,445,198
Verdun	9	1,199,520	738	538,282	1,536,224	3,070,771





## Urban Statistics of Manufactures, 1926. Cont'd.

Table 13. Cont'd.

Cities and Towns	Estab-lish-ments No.	Capital \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
<b>Quebec - Cont'd.</b>						
Longueuil	7	2,847,624	413	631,637	207,186	2,845,275
Buckingham	14	2,557,753	411	457,985	1,034,766	2,267,299
Sorel	19	3,035,292	1,442	1,073,381	697,832	2,215,800
Beauharnois	8	4,276,740	471	461,060	655,766	2,204,342
Chandler	4	2,841,050	377	376,295	827,126	2,007,549
Windsor	7	3,525,540	515	625,674	778,232	1,975,023
Joliette	37	1,596,197	505	379,350	947,474	1,873,483
Lauzon	6	3,812,867	457	610,040	445,329	1,804,997
Coaticook	24	1,787,048	653	410,941	965,613	1,798,941
Berthier	7	3,783,572	365	292,652	569,956	1,609,662
Marieville	9	981,768	388	330,800	821,111	1,408,460
Rock Island	17	2,089,888	385	335,665	658,869	1,346,895
Jonquiere	9	1,557,379	224	318,219	550,390	1,329,318
Cowansville	10	1,876,868	426	376,713	525,455	1,165,194
Laprairie	10	6,897,953	373	402,870	52,958	1,110,760
St. Remi	9	518,456	130	89,167	813,937	1,038,115
Bromptonville	3	407,029	303	251,456	800,744	1,028,588
<b>Ontario</b>						
Toronto	9,457	1,985,165,921	282,223	335,485,209	908,044,673	1,677,933,504
Hamilton	2,013	451,233,965	86,439	107,734,568	270,290,114	489,522,114
Ottawa	417	172,345,587	27,087	33,244,170	74,066,846	146,037,029
Oshawa	207	52,310,095	7,593	9,028,482	43,589,670	59,491,881
Ford City	33	23,935,711	5,611	7,391,465	34,447,446	54,571,595
Kitchener	12	47,307,372	6,562	11,834,197	27,477,796	49,979,343
London	136	35,764,556	7,211	7,724,475	19,843,540	38,598,932
Niagara Falls	226	42,231,091	9,074	10,106,662	16,553,295	37,607,759
Peterborough	62	37,832,753	2,664	3,776,058	15,416,463	32,175,880
New Toronto	77	25,803,768	4,683	6,780,101	20,095,396	31,179,402
Brantford	10	19,758,151	2,922	3,990,041	22,314,515	29,954,144
Windsor	99	33,846,155	6,621	7,423,841	15,135,072	29,252,939
Sarnia	131	23,615,327	3,697	5,482,999	13,614,352	26,756,806
Sault Ste. Marie	41	23,533,120	2,766	3,930,224	16,232,823	25,807,772
Walkerville	45	61,394,554	2,119	3,740,663	10,143,398	21,045,213
Port Colborne	53	23,151,956	2,792	4,268,725	11,635,974	20,521,760
Welland	14	10,435,547	709	976,156	14,617,680	17,402,352
Guelph	37	26,615,911	2,781	3,115,134	9,357,079	17,310,594
Keewatin	91	15,945,139	3,776	3,980,943	8,040,878	15,708,212
St. Catharines	5	6,032,419	399	546,242	14,079,747	15,606,098
Galt	90	18,130,475	3,510	3,991,903	6,321,718	14,079,254
Chatham	75	15,041,488	3,424	3,773,201	6,748,292	13,731,336
Thorold	56	13,989,243	2,202	5,652,929	8,939,818	13,493,631
Leaside	16	23,031,989	1,367	2,246,054	4,862,066	13,171,024
Stratford	4	10,705,698	1,300	1,998,915	7,665,353	12,892,341
Fort William	64	12,059,599	3,015	3,551,923	6,128,285	11,806,553
Cornwall	38	19,871,018	1,078	1,460,253	6,590,474	11,579,435
Iroquois Falls	51	16,184,992	3,294	2,916,333	4,646,647	11,128,814
Kenora	3	30,088,854	996	1,944,872	3,181,749	10,478,388
Woodstock	13	13,211,645	578	784,331	6,061,319	9,282,315
Kingston	61	10,145,045	2,054	2,109,493	4,450,464	8,375,226
Brockville	62	13,121,990	1,776	1,914,174	3,570,608	7,220,633
Wallaceburg	32	5,146,687	752	789,557	5,045,769	6,983,155
Fort Frances	16	6,796,028	1,121	1,336,562	4,022,357	6,857,998
Waterloo	10	6,842,653	677	1,033,402	3,033,656	6,533,351
Espanola	37	11,051,251	1,321	1,441,016	2,998,756	6,381,986
Goderich	4	19,580,650	736	1,288,090	2,721,233	6,294,608
Port Arthur	18	1,950,439	317	351,224	5,153,694	6,042,277
Freston	22	12,344,142	896	1,164,674	1,695,888	5,437,227
Hawkesbury	32	5,414,348	1,439	1,576,388	2,386,494	5,236,801
Midland	13	6,614,322	768	830,724	2,595,246	5,218,170
	17	4,675,859	841	1,855,662	3,534,014	5,037,612





## Urban Statistics of Manufactures, 1926. Cont'd.

Table 13. Cont'd.

Cities and Towns	Es- tab- lish- ments No.	Capital \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
Ontario - Cont'd.						
St. Thomas	49	3,990,573	1,032	1,046,022	2,818,289	4,976,977
Simcoe	35	3,989,965	705	563,769	2,914,296	4,819,647
Owen Sound	48	7,666,324	1,609	1,596,557	2,087,212	4,800,207
Huntsville	14	5,131,269	535	514,819	3,132,753	4,553,302
Belleville	50	7,598,254	1,126	1,177,927	2,140,862	4,515,747
Pembroke	34	6,772,392	1,152	860,505	2,914,738	4,409,275
Paris	21	5,663,803	1,211	1,085,648	2,304,445	4,357,066
Leamington	14	2,453,268	405	409,338	1,596,794	4,003,126
Bowmanville	17	3,497,603	575	559,683	2,243,053	3,763,200
Hespeler	14	6,314,107	1,156	1,029,500	1,923,514	3,727,727
Ingersoll	31	4,389,032	675	700,921	2,328,966	3,655,534
St. Marys	23	4,408,507	492	565,708	1,860,058	3,620,752
Orillia	33	5,535,771	1,005	936,470	1,854,960	3,508,977
Renfrew	20	4,448,313	704	810,218	1,714,260	3,375,277
Fergus	13	2,415,156	541	613,610	2,302,402	3,252,084
Cardinal	8	3,066,982	309	420,930	2,144,204	3,246,932
Newmarket	16	2,092,064	510	576,727	1,457,840	3,113,206
Merriiton	9	3,711,463	486	713,348	1,313,670	3,074,747
Chippawa	4	852,398	177	263,636	616,583	2,963,054
Acton	14	2,386,390	419	379,295	2,058,428	2,891,158
Sturgeon Falls	9	201,072	500	813,655	1,939,838	2,853,631
Aurora	8	1,176,842	407	399,212	1,857,189	2,763,111
Brampton	20	2,064,414	787	783,966	1,214,664	2,626,780
Elmira	15	2,091,932	590	556,836	1,243,178	2,591,183
Perth	20	3,617,566	623	685,801	998,738	2,480,226
Weston	8	3,477,706	683	780,867	1,096,622	2,418,145
Cobourg	29	2,331,346	416	399,036	935,383	2,357,862
Dundas	19	4,527,730	572	679,635	1,078,429	2,332,763
Georgetown	18	2,355,377	452	465,776	2,344,101	2,323,479
Carleton Place	20	2,303,585	651	54,231	1,021,706	2,313,613
Smiths' Falls	23	3,698,168	659	701,531	1,268,950	2,231,210
Amherstburg	10	8,427,816	243	389,372	355,078	2,207,185
Aylmer	10	1,663,671	174	176,608	1,233,727	2,173,076
Kapuskasing	4	10,077,156	321	561,026	623,575	2,147,608
Port Hope	30	2,863,478	578	682,319	694,914	2,146,853
Sudbury	26	3,630,233	416	455,510	1,122,215	2,127,168
Lindsay	39	1,956,382	515	455,564	1,244,302	2,118,539
Campbellford	26	1,980,368	414	395,094	1,082,193	2,102,475
Hanover	14	2,734,623	567	567,463	1,111,347	2,097,558
Sandwich	10	3,238,782	365	609,837	505,075	2,074,526
Tillsonburg	22	1,745,130	503	481,079	1,272,816	2,072,853
Gananoque	24	2,644,128	538	621,397	885,676	2,035,144
Caledonia	13	810,791	269	330,437	1,298,786	2,015,049
Dunnville	19	2,131,488	608	592,400	1,024,816	2,004,832
Arnprior	16	4,983,274	482	509,253	1,028,394	1,931,300
Trenton	27	2,279,906	452	366,943	1,176,693	1,885,545
Bridgeburg	20	1,559,557	184	240,096	904,690	1,883,540
Oakville	18	1,307,592	324	385,372	1,094,606	1,863,930
Port Credit	4	1,958,400	212	226,609	1,137,286	1,854,616
Chester ville	7	993,702	139	166,265	1,298,203	1,829,632
Kincardine	14	1,185,832	401	349,068	655,134	1,643,634
Strathroy	20	1,462,864	325	260,357	912,545	1,599,740
Milton	14	2,977,262	404	393,432	572,917	1,599,156
Napanee	20	1,185,692	284	254,374	937,509	1,590,832
Barrie	21	1,460,319	287	293,156	982,493	1,576,726
Timmins	20	13,273,089	202	222,538	104,297	1,572,598
Listowel	19	768,262	347	208,403	755,640	1,495,483
Port Dalhousie	6	1,022,624	462	401,132	613,156	1,485,009
Tavistock	12	436,460	149	123,017	1,084,121	1,390,631
Almonte	20	1,540,712	416	352,171	706,637	1,365,440
Meaford	15	1,410,185	319	282,274	856,830	1,349,044
Cache Bay	3	1,139,138	208	235,794	621,769	1,248,666



## Urban Statistics of Manufactures, 1926. Cont'd.

Table 13. Cont'd.

Cities and Towns	Es- tab- lish- ments	Capital	Em- ployees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<b>Ontario - Cont'd.</b>						
Penetanguishene	14	1,698,010	356	371,791	624,730	1,188,289
Cobalt	7	13,353,335	152	246,836	43,860	1,158,588
Collingwood	27	4,440,831	297	316,680	572,927	1,145,230
Dryden	7	4,609,343	240	315,276	367,406	1,140,904
Pictou	25	1,308,218	223	125,396	662,493	1,118,431
Grimsby	14	1,190,185	388	282,114	520,782	1,100,155
Walkerton	20	1,325,378	300	245,082	638,612	1,080,339
Wingham	18	900,211	244	210,131	612,932	1,035,325
Thessalon	7	827,891	218	216,854	354,035	1,031,133
Kingsville	15	1,064,916	152	111,773	761,272	1,009,169
Rockland	6	1,573,864	337	286,311	610,261	1,000,836
<b>Manitoba</b>						
Winnipeg	797	127,445,924	21,201	26,973,850	75,000,529	132,718,452
St. Boniface	446	96,801,995	15,469	20,086,607	46,501,703	87,686,243
Brandon	30	8,331,780	1,404	1,707,440	17,726,171	23,581,870
Portage la Prairie	37	4,151,072	429	579,724	2,213,775	3,761,168
Selkirk	14	787,937	187	218,409	1,764,844	2,248,967
The Pas	7	1,630,806	324	435,056	404,638	1,476,776
	7	1,511,111	312	364,450	603,540	1,433,196
<b>SASKATCHEWAN</b>						
Regina	674	33,943,060	4,904	6,397,545	29,128,035	47,108,097
Moose Jaw	59	11,652,259	1,503	2,196,254	8,713,236	14,985,432
Saskatoon	28	4,282,521	677	999,191	8,765,523	11,858,745
Prince Albert	49	7,258,807	1,027	1,477,778	4,225,881	8,003,169
	23	1,876,825	377	440,290	2,168,412	3,183,186
<b>ALBERTA</b>						
Calgary	749	72,468,286	10,233	12,808,554	49,826,532	83,425,631
Edmonton	134	32,074,263	3,404	4,816,535	19,082,882	33,017,188
Medicine Hat	135	18,098,123	4,136	4,734,600	13,630,780	23,984,516
Lethbridge	24	5,133,755	599	726,416	8,368,214	10,276,380
	26	3,207,639	367	525,993	1,392,559	3,187,741
<b>BRITISH COLUMBIA</b>						
Vancouver	1,495	329,008,375	47,462	54,865,756	137,846,624	249,619,714
Victoria	523	106,624,727	14,781	18,347,299	46,120,382	84,831,423
New Westminster	138	18,269,082	2,737	3,270,449	4,516,929	11,593,233
Prince Rupert	55	9,618,710	2,179	2,506,096	7,234,267	11,790,476
Port Moody	15	2,491,325	231	363,511	2,396,135	3,251,260
North Vancouver	3	1,537,449	245	320,647	1,254,099	2,104,265
Rossland	15	3,957,189	769	875,742	725,652	2,003,741
Fernie	8	6,177,111	186	327,678	7,750	1,664,610
Nelson	5	5,315,535	162	216,218	672,702	1,487,597
Kelowna	24	1,591,380	269	337,667	482,868	1,416,394
	19	1,034,622	428	298,609	675,974	1,301,306





Urban Statistics of Manufactures, 1926.

Summary of Production in Urban Centres.

A summary of the cities and towns having a production valued at \$1,000,000 and over showing the percentage of production in the cities and towns of each province to the total production in the province is presented herewith. The highest percentages so obtained is found in Ontario with 91.10 per cent followed by Quebec with 90.64 and Manitoba with 90.56 per cent. The lowest percentages appear in Prince Edward Island and British Columbia where the primary industries connected with the farm, the forest, the mine and the fisheries furnish the volume of production.

Province	Cities and towns in each province	Establishments reporting in each city, town, etc.	Production in cities and towns in each province of over \$1,000,000	Total production in each province of \$1,000,000 and over	Per cent of production in cities and towns to total production in each province
	No.	No.	\$	\$	
Prince Ed. Island	1	30	1,687,519	4,069,335	41.44
Nova Scotia	8	251	57,431,922	73,505,642	78.13
New Brunswick	9	280	53,174,123	74,122,239	71.74
Quebec	41	2,663	820,628,302	905,300,824	90.64
Ontario	114	5,782	1,526,208,909	1,677,933,504	91.10
Manitoba	6	535	120,198,220	132,718,452	90.56
Saskatchewan	4	159	38,030,532	47,108,097	80.73
Alberta	4	319	70,458,825	83,425,631	84.46
British Columbia	10	805	121,444,305	249,619,714	48.65
CANADA	197	10,824	2,811,262,657	3,247,803,438	86.56





31-D-280

C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

REPORT  
on the  
GENERAL MANUFACTURES  
of  
CANADA  
1927

Published by Authority of the Hon. James Malcolm, M.P.,  
Minister of Trade and Commerce

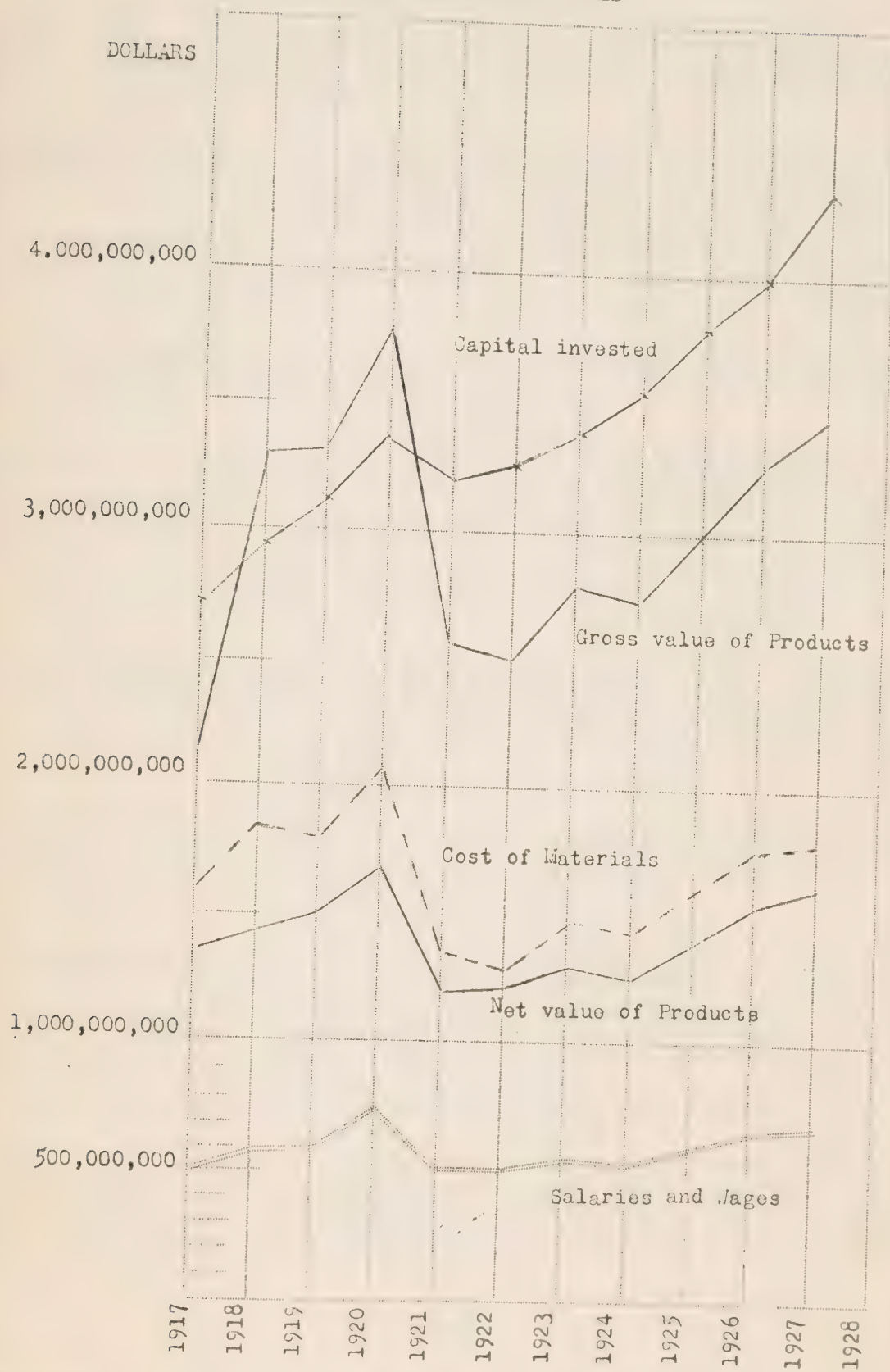
• • •

OTTAWA

1929



# PRINCIPAL STATISTICS OF GENERAL MANUFACTURES







CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

Dominion Statistician:	R. H. Coats, B. A., F. S. S. (Hon.), F.R.S.C.
Chief, Census of Industry:	J. C. Macpherson

MANUFACTURES OF CANADA, 1927.

Ottawa, August, 1929. A report on the manufacturing industries of Canada for the year ending 31st. December, 1927, is herewith presented, the principal statistical features of which are outlined below:-

Establishments:- The number of individual establishments reporting in 1927 was 9,936 an increase of 228 from the number reported in 1926. The vegetable products group shows an increase in the number reporting of 264 followed in order by the textile group with 104, the wood and paper groups with 60, central electric stations with 40, miscellaneous products group with 11, the iron and steel group with 6, and the chemical products group with 5. The animal products group shows a decrease of 204, non-metallic minerals 56 and non-ferrous metals 2.

Capital Investment:- The total capital invested in Canadian manufacturing industries rose from \$3,981,569,590 in 1926, to \$4,337,631,558 in 1927, an increase during the year of \$356,061,968 or 8.94 per cent.

Employment:- The number of persons including piece workers outside establishments employed in the manufacturing industries of Canada in 1927 was 621,872 of whom 38,483 were salaried employees 533,450 wage-earners and 2,939 outside piece workers. Of the salaried employees 65,886 were males and 19,597 were females; of wage-earners 413,634 were males and 119,816 were females, and of piece workers 448 were males and 2,491 were females. Compared with 1926 there was an increase in the number of salaried employees of 3,689, in wage-earners of 33,717 and in piece workers of 508.

Salaries and Wages paid:- The total payments for labour and service in 1927 amounted to \$694,382,285, of which \$162,348,978 was paid for salaries, \$531,583,250 for wages and \$450,057 to piece workers. Compared with 1926 there was an increase in the amount paid for salaries of \$9,643,034 and in wages of \$30,438,261 whilst payments to piece workers declined by \$16,651.

Materials Used:- The total cost of all materials, whether in the raw or partly manufactured condition, used in the various processes of manufacture during 1927 was \$1,789,574,604. Compared with the preceding year there was an increase in the cost of materials of \$60,950,412 or over 3.52 per cent.

Value of products:- The gross value of manufactured products, at the point of production amounted to \$3,425,498,540 in 1927, which was an increase of \$177,695,102 or 5.47 per cent, when compared with 1926. Of the nine groups, all show increases in value of production ranging from \$1,589,142 in the non-metallic mineral group to \$54,379,364 in the vegetable products group. A comparison by provinces show that increases prevailed in seven of the nine provinces, Quebec leading with \$85,282,171, Ontario being next with \$80,071,071 and Manitoba third with \$9,371,226.

The net value of production or the value added by manufacture, which is obtained by deducting the cost of materials from the gross value of products, was \$1,635,923,936 in 1927. This added value represented 47.76 per cent of the gross value in 1927 and 46.78 per cent in 1926 with a variation in total added value of 7.68 per cent.





MANUFACTURES OF CANADA

1 9 2 7

Comparative Summary of Recent Manufacturing Statistics

A comparative study of the principal statistics of the manufacturing industries of Canada in recent years is afforded in Table 1. The years for which these statistics are presented, are the annual censuses of 1926 and 1927 and the increase or decrease by percentages of the principal items is also included in the table.

Table 1. - Principal Statistics compared for 1926 and 1927.

I t e m s		1 9 2 6	1 9 2 7	Increase (/) or decrease (-) p. c. 1927 over 1926	
Establishments	No.	22,708	22,936	/	1.00
Capital invested	\$	3,981,569,590	4,337,631,558	/	8.94
Average capital per establishment	\$	175,338	189,919	/	8.32
Employees on Salaries	No.	81,794	85,483	/	4.51
Salaries	\$	152,705,944	162,348,978	/	6.31
Average salaries	\$	1,867	1,899	/	1.71
Employees on wages	No.	499,745	533,450	/	6.75
Wages	\$	501,144,989	531,583,250	/	6.07
Average wages	\$	1,003	997	-	0.60
Cost of materials	\$	1,728,624,192	1,789,574,604	/	3.52
Average cost of materials per establishment	\$	76,124	78,025	/	2.49
Value of products	\$	3,247,803,438	3,425,498,540	/	5.47
Average value of products per establishment	\$	143,025	149,350	/	4.42
Value added by manufacture	\$	1,519,179,246	1,635,923,936	/	7.68



...adding to chief component materials. The province of Ontario ranks first in production with 51.32 per cent of the total, followed by British Columbia 22.12 per cent, New Brunswick 2.15 per cent, Nova Scotia 2.12 per cent, Saskatchewan 1.52 per cent and P.E.I. 1.13 per cent.

In the industrial group classification first place is taken by the Vegetable products group having 20.80 per cent of the total of all groups. The wood and paper group is second with 18.38 per cent, iron and steel products third with 15.35 per cent, animal products fourth with 13.36 per cent. The textile products fifth with 11.15 per cent followed in order by the non-ferrous metal group with 5.85 per cent, the non-metallic mineral group with 5.13 per cent, the central electric station group with 3.94 per cent, the chemical products group with 3.72 per cent, and the miscellaneous group last with 2.31 per cent.

Table 2. - Summary of the Principal Statistics of the Manufacturing Industries of Canada, 1927 - (a) By Provinces (b) By Groups of Industries

No. of Establishments	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials	Gross Value of Products		
		Male	Female	Male	Female				
		No.	No.	No.	No.				
(a) By Provinces									
CANADA	22,936	4,337,631,558	65,886	19,597	162,348,978	413,634	119,816	531,583,250	3,425,498,540
Prince Edward Island	291	3,081,504	156	29	168,632	1,232	815	519,217	4,493,628
Nova Scotia	1,190	128,155,040	1,237	379	2,642,451	12,835	3,413	10,968,493	74,458,297
New Brunswick	872	99,087,327	1,302	329	2,963,336	13,501	3,838	12,035,765	72,666,665
Quebec	7,206	1,376,654,019	18,969	4,782	45,886,411	125,519	46,824	157,838,586	990,582,995
Ontario	9,512	2,134,181,377	33,964	11,831	87,274,358	196,155	54,084	267,900,415	3,158,004,575
Manitoba	859	151,373,047	3,041	785	7,128,588	15,822	3,383	21,806,338	142,089,678
Saskatchewan	721	38,387,248	1,246	215	2,460,504	3,824	398	4,820,441	52,180,681
Alberta	776	81,664,730	1,765	402	3,805,066	7,846	1,272	9,706,293	84,987,317
British Columbia and Yukon	1,509	325,047,266	4,206	845	10,019,632	36,900	5,789	45,987,702	246,034,704
(b) By Industrial Groups									
TOTAL	22,936	4,337,631,558	65,886	19,597	162,348,978	413,634	119,816	531,583,250	3,425,498,540
Vegetable products	4,793	494,176,054	8,456	2,446	21,201,169	46,169	21,229	60,629,565	712,700,080
Animal products	4,692	233,113,872	9,090	1,930	16,913,119	41,543	15,813	44,493,899	457,710,030
Textiles and textile products	1,802	346,512,165	5,954	2,857	17,268,057	30,007	59,839	78,623,186	382,007,457
Wood and paper products	6,811	1,023,301,749	14,252	4,193	37,260,725	121,657	10,448	130,735,009	629,567,156
Iron and its products	1,148	638,914,893	10,608	3,008	27,822,059	89,629	3,048	115,529,115	525,921,839
Non-ferrous metal products	401	208,957,166	4,676	1,570	11,584,812	23,262	3,935	32,569,883	200,369,961
Non-metallic mineral products	1,184	280,033,057	2,971	716	6,815,208	21,977	998	27,143,333	175,746,065
Chemicals and chemical products	561	134,618,839	2,788	1,054	7,791,994	8,096	2,621	10,864,857	127,484,672
Miscellaneous industries	447	111,178,478	2,298	607	5,923,025	13,733	1,880	17,816,898	79,166,705
Central electric stations	1,097	866,325,285	4,793	1,216	9,768,810	8,699	-	13,177,505	134,818,567





in 1927 were valued at \$1,314,976,081 and represented 38.4 per cent of the total of all production. Of the above total value of products of Farm origin \$1,006,469,855 was of Canadian origin and \$308,506,226 of Foreign origin. The principal items of Canadian farm origin were: Flour and Cereals (\$191,741,740), Meats, etc. (\$167,220,892), Butter and Cheese (\$122,523,882), Bread, biscuits and confectionery (\$121,855,150), Tobacco, cigars etc. (\$71,124,505) and Boots and Shoes of leather (\$47,372,549), whilst those of Foreign origin were Cotton goods (\$75,818,873), Sugar (\$60,502,664), Rubber goods (\$91,413,730) and Coffee and spices (\$26,288,506).

Next to the products of Farm origin were those of Mineral origin totalling \$1,025,402,701 and comprising Iron and Steel products (\$525,921,839), Non-metallic minerals (\$175,746,065), Non-ferrous metals (\$200,369,961) and Chemical products (\$111,235,481).

Products of forest origin occupied third place with a total value of (\$626,506,011) and comprised Pulp and paper (\$219,329,753), Saw-mill products (\$433,620,554), Printing and publishing (\$62,030,896), Planing mill products (\$47,955,548), Printing and Bookbinding (\$35,826,439) and Furniture (\$35,733,818.).

Products of the farm, the mine and the forest together show a production of \$2,966,884,793 or over 86 per cent of the total of all manufacturing production in 1927 amounting to \$3,425,498,540.

Table 3:- PRINCIPAL STATISTICS OF THE MANUFACTURING INDUSTRIES OF CANADA., CLASSIFIED ACCORDING TO THE ORIGIN OF THE MATERIALS USED, 1927.

	No. of Estab- lish- ments	Capital \$	Employees on Salaries				Employees on Wages		Cost of Materials \$	Value of Products \$
			Male		Female		Male No.	Female No.		
			No.	\$	No.	\$				
TOTAL	22,936	4,337,631,558	65,886	19,597	162,348,978	413,634	119,816	531,583,250	1,789,574,604	3,425,498,540
1. Farm Origin										
(a) From field crops	4,977	613,855,706	9,422	2,720	23,994,236	59,940	32,768	79,996,613	495,122,606	827,150,559
Canadian origin	4,683	358,813,700	6,152	1,783	15,372,779	33,311	17,238	43,110,363	312,675,963	528,245,250
Foreign origin	294	255,042,006	3,270	937	8,621,457	26,629	15,530	36,886,250	182,446,643	298,935,309
(b) From Animal husbandry	4,007	283,449,879	9,725	2,210	19,399,883	39,612	18,584	54,187,788	336,059,831	464,825,522
Canadian origin	3,993	261,122,061	9,576	2,153	19,010,686	38,666	16,846	52,237,014	332,043,200	473,254,605
Foreign origin	14	22,327,818	149	57	389,197	946	1,738	1,950,774	4,016,631	9,570,917
(c) Total Farm origin	8,984	897,305,585	19,147	4,930	43,394,119	99,552	51,352	134,184,401	851,182,437	1,314,976,081
Canadian origin	8,676	619,935,761	15,728	3,936	34,383,465	71,977	34,084	95,347,377	644,719,163	1,006,469,855
Foreign origin	308	277,369,824	3,419	994	9,010,654	27,575	17,268	38,837,024	186,463,274	308,506,226
Wild Life Origin	244	14,489,527	402	205	1,160,873	1,844	1,429	3,427,816	13,462,752	22,876,280
Marine Origin	773	24,454,482	582	57	871,211	9,748	6,310	4,502,740	18,364,846	31,024,609
Forest Origin	6,770	1,020,144,236	14,139	4,136	36,977,549	121,077	10,386	129,943,899	270,764,265	626,506,011
Mineral Origin	3,232	1,268,521,442	20,775	6,178	53,180,993	143,354	10,058	186,511,977	497,368,048	1,025,402,701
Mixed Origin	1,836	245,891,001	6,048	2,875	16,995,423	29,360	40,281	59,834,912	127,646,986	269,834,291
Central Electric Stations	1,097	866,825,285	4,793	1,216	9,768,810	8,699	-	13,177,505	30,785,270	134,818,567





Ranked in order of the value of gross production, producers' materials stand first with a total value of \$970,612,412 or 28.33 per cent, followed by the food group with a total of \$803,004,230 or 23.44 per cent, the industrial equipment group third, with a total of \$589,148,976 or 17.20 per cent and the clothing group fourth, with a total of \$328,716,323 or 9.6 per cent.

An analysis of the relative standing of the two purpose groups of more general interest is here presented. The food group of industries has a gross production of 23.44 per cent of the output of all Canadian manufacturing concerns as compared with 9.6 per cent for the clothing group. It will be noted that the much greater production in the food group was in part due to the higher cost of raw materials in that group as compared with the cost of such materials in the clothing group, the value added by the processes of manufacture being 27 per cent of the total value of all industries in the food group as compared with a percentage of 50.73 for the clothing group. The clothing group maintains a larger payroll than the food group despite the fact that a smaller output was recorded than for the food group, the anomaly being explained by the greater prevalence of female labour in the clothing group. The total amount of the payroll including outside pieceworkers in each of the two groups to the total of all groups of industries was 11.77 per cent for the food group and 13.18 per cent for the clothing group.

Table 4.- Principal Statistics of the Manufacturing Industries of Canada, classified according to the Purpose of the Principal Products, for the calendar year 1927.

	No. of Estab- lish- ments	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products
			Male	Female	Male	Female		
			No.	No.	No.	No.		
TOTAL	22,936	4,337,631,558	65,886	19,597	413,634	119,816	1,789,574,604	3,425,498,540
Food	8,306	418,151,619	11,664	2,729	53,768	20,806	586,128,295	803,004,230
Clothing	1,988	227,438,240	6,506	3,222	34,899	53,291	161,946,983	328,716,323
Drink and tobacco	570	160,100,581	2,631	503	8,578	4,564	52,850,437	159,557,168
Personal Utilities	391	54,029,497	1,257	601	6,914	1,982	26,061,404	53,195,133
House Furnishings	553	63,578,269	1,547	491	13,600	1,800	26,474,235	62,788,039
Books and Stationery	1,795	120,028,624	6,639	2,518	18,783	5,792	38,755,189	129,093,695
Vehicles and Vessels	872	279,080,400	4,633	1,058	42,773	1,421	174,846,848	299,411,872
Producers' Materials	5,762	1,521,762,956	13,917	3,039	162,175	21,204	450,761,472	970,612,412
Industrial Equipment	2,533	1,460,936,792	16,405	5,172	69,654	7,969	255,618,597	589,148,976
Miscellaneous	166	32,524,580	687	264	2,490	987	16,131,144	29,970,692



Table 5.- Principal Statistics by Groups of Industries, 1926 and 1927.

Groups of Industries	Estab-lish-ments	Capital	Employees on Salaries				Wage-Earners		Cost of Materials	Value of Products		
			Male		Female		Salaries	Male			Female	Wages
			No.		No.							
1 9 2 6	No.		No.		No.		No.					
Vegetable Products	4,529	449,259,094	7,654	2,155	19,479,894	43,622	20,477	55,869,692	414,316,414	658,320,716		
Animal Products	4,896	223,938,559	8,991	1,908	16,347,519	41,180	15,764	43,856,467	329,114,267	452,034,925		
Textiles and Textile Products	1,698	317,275,429	5,466	2,646	15,890,317	36,154	56,296	72,706,435	202,832,383	366,334,644		
Wood and Paper Products	6,751	929,589,218	13,759	4,203	34,865,789	106,363	9,860	126,050,940	261,001,976	600,064,661		
Iron and Steel Products	1,142	597,982,098	10,405	2,710	26,346,010	87,302	3,093	111,294,055	258,020,373	505,188,849		
Non-ferrous metal Products	403	202,503,426	4,391	1,434	10,608,057	20,589	3,681	28,593,090	90,613,004	183,501,723		
Non-metallic mineral Products	1,240	261,724,184	2,959	679	6,423,911	21,402	1,005	25,563,038	82,293,319	174,156,923		
Chemicals and chemical Products	556	133,407,891	2,849	1,050	8,015,625	7,929	2,517	10,293,752	60,124,582	122,589,526		
Miscellaneous Industries	436	109,669,565	2,153	578	5,602,544	13,057	1,840	16,100,798	30,307,874	70,143,531		
Central Electric Stations	1,057	756,220,066	4,854	950	9,126,278	7,602	-	10,816,722	26,534,207	115,467,940		
T O T A L	22,708	3,981,569,590	63,481	18,313	152,705,944	385,200	114,533	501,144,989	1,755,158,399	3,247,803,438		
1 9 2 7												
Vegetable Products	4,793	494,176,054	8,456	2,446	21,201,169	46,169	21,229	60,629,565	429,325,105	712,700,080		
Animal Products	4,692	233,113,872	9,090	1,930	16,913,119	41,543	15,818	44,493,899	325,455,482	457,716,038		
Textiles and Textile Products	1,802	346,512,165	5,954	2,857	17,268,057	38,869	59,839	78,623,186	198,870,157	382,007,457		
Wood and Paper Products	6,811	1,023,301,749	14,252	4,193	37,260,725	121,657	10,448	130,735,009	271,780,232	629,567,156		
Iron and Steel Products	1,148	638,914,893	10,608	3,008	27,822,059	89,629	3,048	115,529,115	261,102,679	525,921,839		
Non-ferrous metal Products	401	208,957,166	4,676	1,570	11,584,812	23,262	3,935	32,569,883	87,612,666	200,369,961		
Non-metallic mineral Products	1,184	280,033,057	2,971	716	6,815,208	21,977	998	27,143,333	86,312,529	175,746,065		
Chemicals and chemical Products	561	134,618,839	2,788	1,054	7,791,994	8,096	2,621	10,864,857	63,630,588	127,484,672		
Miscellaneous Industries	447	111,178,478	2,298	607	5,923,025	13,733	1,880	17,816,898	34,699,896	79,166,705		
Central Electric Stations	1,097	866,825,285	4,793	1,216	9,768,810	8,699	-	13,177,505	30,785,270	134,818,567		
T O T A L	22,936	4,337,631,558	65,886	19,597	162,348,978	413,634	119,816	531,583,250	1,789,574,604	3,425,498,540		





# CONSUMPTION OF MANUFACTURED PRODUCTS, 1927.

The consumption of manufactured products is made possible by the placing of the classification of external trade and production on a common basis. Table 5 A gives the value of goods manufactured in Canada (Col. 1) which added to the value imported for consumption (Col. 2) less the exports of manufactured and partly manufactured goods (Col. 3) leaves the value of manufactured products available for consumption (Col. 4). In 1927 Vegetable products were first in value of goods made available for consumption with iron and its products and textiles in second and third position. The total for all groups available for consumption amounted to \$3,605,668,962 in 1927, as against \$3,343,397,137 in 1926 and \$2,927,553,393 in 1925. It should be observed that considerable duplication occurs in the value of manufactured products where several processes are performed upon a commodity before it is ready for ultimate use.

Table 5 A.- Consumption of Manufactured Products in Canada, for the calendar year 1927.

	Value of manufactured goods	Manufactured and Partly Manufactured Goods		Value of Products available for consumption
		Imports	Exports	
Vegetable Products	\$ 712,700,080	\$ 158,330,173	\$ 136,751,301	734,278,952
Animal Products	457,716,038	29,357,921	78,858,394	408,215,565
Textile Products	382,007,457	144,385,500	1,450,239	524,942,718
Food and Paper Products	629,567,156	49,208,925	255,471,159	423,304,922
Iron and Its Products	525,921,839	245,275,930	67,819,249	703,378,520
Non-ferrous metal Products	200,369,961	53,159,628	61,161,571	192,368,018
Non-metallic mineral Products	175,746,065	51,458,035	6,686,308	220,517,792
Chemical and Allied Products	127,484,672	33,313,500	17,854,915	142,943,257
Miscellaneous Industries	79,166,705	62,804,101	16,359,226	125,611,560
Central Electric Stations	134,818,567	87,132	4,798,061	130,107,638
TOTAL	3,425,498,540	827,380,845	647,210,423	3,605,668,962











Table 6.- Principal Statistics of the Forty Leading Industries of Canada, 1927 (Cont'd.)

	No. of Estab- lish- ments	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products
			Male	Female	Salaries	Male	Female	Wages
	No.	\$	No.	No.	\$	No.	No.	\$
29. Agricultural implements	65	88,981,203	1,134	384	2,427,643	9,398	95	10,887,857
30. Printing and bookbinding	862	35,263,910	1,412	483	3,780,494	6,772	2,376	11,589,271
31. Furniture and upholstery	334	36,682,976	808	269	2,185,513	9,526	435	14,154,730
32. Leather tanneries	98	32,320,323	254	53	751,454	3,679	102	3,746,752
33. Fish curing and packing	773	24,454,482	532	57	871,211	9,748	6,310	4,502,740
34. Acids, Alkalies, salts and compressed gases	42	35,312,251	408	98	1,056,303	1,770	9	2,406,758
35. Furnishing goods, men's	146	19,493,876	548	256	1,348,380	1,104	7,072	5,230,843
36. Coffee and spices	61	13,593,564	407	129	1,201,015	648	420	991,683
37. Distilleries	17	37,528,954	209	49	513,873	916	227	1,381,211
38. Paints and varnishes	62	23,162,090	614	189	1,795,696	1,538	222	1,756,890
39. Hardware and tools	128	32,523,774	619	222	1,656,961	4,940	878	5,602,656
40. Brass and copper products	99	22,425,179	697	160	1,580,023	3,601	374	4,485,648
Total, forty leading industries	17,220	3,492,397,429	50,497	14,144	121,156,972	324,709	82,476	411,502,856
Total, all industries	22,936	4,337,631,558	65,886	19,597	162,348,978	413,634	119,816	531,583,250
Percentage of forty leading industries to all industries	75.08	80.51	76.64	72.17	74.63	78.50	68.84	77.41
								81.69
								79.66

28/8/29.EB.





Table 7 presents statistics of capital investment in the manufacturing industries of Canada by provinces and by industrial groups for the calendar year 1927. The increase in the total capital invested over 1926 amounted to \$356,061,968 made up of \$239,402,509 fixed capital and \$116,659,459 working capital. The average capital invested in each establishment advanced from \$149,294 in 1923 to \$159,564, in 1924, to \$170,538 in 1925, to \$175,338 in 1926 and to \$189,119 in 1927, or an increase per plant of \$10,270 or 6.9 per cent in the 1923-24 period, an increase of \$10,975 or 6.9 per cent in the 1924-25 period, an increase of \$4,800 in the 1925-26 period or 2.8 per cent and an increase of \$13,781 in the 1926-27 period or 7.86 per cent. The increase in capital is indicative of continued improvement in manufacturing conditions throughout the Dominion.

Table 7.- Distribution of Capital by Provinces and Groups of Industries, 1927.

Provinces and Groups	Number of Establishments	Land, buildings fixtures, machinery and tools	Materials on hand, Stocks in process, finished products, etc.	Cash, trading and operating accounts and bills receivable	Total Capital
<u>PROVINCES</u>					
Prince Edward Island	291	2,224,101	515,478	341,925	3,081,504
Nova Scotia	1,190	91,888,054	17,911,970	18,355,016	128,155,040
New Brunswick	872	66,277,512	19,757,986	13,051,829	99,087,327
Quebec	7,206	958,189,521	230,167,808	188,296,690	1,376,654,019
Ontario	9,512	1,325,649,334	409,644,354	398,887,689	2,134,181,377
Manitoba	859	106,141,446	24,741,257	20,490,344	151,373,047
Saskatchewan	721	26,165,711	6,956,510	5,265,027	38,387,248
Alberta	776	56,846,394	14,062,162	10,756,174	81,664,730
British Columbia and Yukon	1,509	232,984,126	50,066,911	41,996,229	325,047,266
T O T A L	22,936	2,866,366,199	773,824,436	697,440,923	4,337,631,558
<u>GROUPS</u>					
Vegetable Products	4,793	271,735,851	128,831,608	93,608,595	494,176,054
Animal Products	4,692	112,267,795	71,143,285	49,702,792	233,113,872
Textiles and textile products	1,802	170,612,437	90,246,201	85,653,527	346,512,165
Wood and paper products	6,811	694,790,573	182,774,216	145,736,960	1,023,301,749
Iron and its products	1,148	351,873,123	137,310,078	149,731,692	638,914,893
Non-ferrous metal products	401	114,752,712	51,908,752	42,295,702	208,957,166
Non-metallic mineral products	1,184	207,106,051	43,375,601	29,551,405	280,033,057
Chemicals and allied products	561	75,763,649	28,652,076	30,203,114	134,618,839
Miscellaneous Industries	447	58,239,366	21,113,506	31,825,606	111,178,478
Central Electric Stations	1,097	809,224,642	18,469,113	39,131,530	866,825,285





The number of persons employed in the manufacturing industries of Canada in 1927 exclusive of outside piece-workers was 618,933 as compared with 81,539 in 1926, 544,225 in 1925, 508,503 in 1924, 525,267 in 1923, 462,573 in 1922 and 439,889 in 1921. Of those employed in 1927 the number on salaries totalled 85,483 of which 65,886 were males and 19,597 females, whilst those employed on wages numbered 533,450 of whom 413,634 were males and 119,816 females. The figures relating to wage-earners are averages for the year and are ascertained by dividing the total number employed by months during the year, by twelve.

The average number of employees per establishment which had risen from 21 in 1922 to 23.2 in 1923 fell in 1924 to 22.9, but rose again in 1925 to 24.4 in 1926 to 25.6, whilst the average payment in salaries and wages per establishment rose from \$22,645 in 1922 to \$25,240 in 1923 to \$25,245 in 1924 to \$26,690 in 1925, to \$30,255 in 1926 and to \$31,899.20 in 1927 whilst the average wage per employee rose from \$939.31 in 1922 to \$959.14 in 1923 and to \$972.23 in 1924 but fell to \$971 in 1925, rose again to \$1,003 in 1926, but fell in 1927 to \$996.50. The total amount paid for services in 1927 was \$693,932,228 of which \$162,348,978 represented salaries and \$531,583,250 represented wages.

Pieceworkers employed outside the establishment in 1927 totalled 2,939 of whom 448 were males and 2,491 were females, whilst the total payments to such out-workers amounted to \$450,057. In Table 8 below the statistics of employment are shown by provinces and by groups of industries. The province of Ontario furnished 47.8 per cent of the number employed and paid 51.2 per cent of the total cost of salaries and wages. Quebec is second with 31.7 per cent of the number employed and 29.3 per cent of the cost of salaries and wages. Of the industrial groups, wood and paper furnished employment to the highest number having 24.3 per cent of the total followed in order by the textile group with 17.37 per cent and the iron group with 17.17 per cent.

Table 8. - Employees, Salaries and Wages, 1927.

(a) Provinces	Employees on Salaries			Salaries			Employees on Wages			Wages	
	Male No.	Female No.	Total	Total \$	Average \$	Male No.	Female No.	Total	Total \$	Average \$	Average ¢
Prince Edward Island	156	29	168,632	168,632	911.52	1,232	815	519,217	519,217	253.65	
Nova Scotia	1,237	379	2,642,451	2,642,451	1,635.18	12,835	3,413	10,968,493	10,968,493	675.07	
New Brunswick	1,302	329	2,963,336	2,963,336	1,816.88	13,501	3,838	12,035,765	12,035,765	694.14	
Quebec	18,969	4,782	45,886,411	45,886,411	1,932.00	125,519	46,824	157,838,586	157,838,586	915.84	
Ontario	33,964	11,831	87,274,358	87,274,358	1,905.76	196,155	54,084	267,900,415	267,900,415	1,070.58	
Manitoba	3,041	785	7,128,588	7,128,588	1,863.19	15,822	3,383	21,806,338	21,806,338	1,135.45	
Saskatchewan	1,246	215	2,460,504	2,460,504	1,684.12	3,824	398	4,820,441	4,820,441	1,141.74	
Alberta	1,765	402	3,805,066	3,805,066	1,755.91	7,846	1,272	9,706,293	9,706,293	1,064.52	
British Columbia and Yukon	4,206	845	10,019,632	10,019,632	1,983.69	36,900	5,789	45,987,702	45,987,702	1,077.27	
CANADA, TOTALS	65,886	19,597	162,348,978	162,348,978	1,899.20	413,634	119,816	531,583,250	531,583,250	996.50	



Table 9. - EMPLOYEES, SALARIES AND WAGES, 1927 - Cont'd.

(b) Groups of Industries	Employees or Salaries		Total Salaries	Employees on Wages		Total Wages
	Male	Female		Male	Female	
	No.	No.		No.	No.	
Vegetable products	8,456	2,446	\$ 21,201,169	46,169	21,229	\$
Animal products	9,090	1,930	16,913,119	41,543	15,816	
Textiles and textile products	5,954	2,857	17,268,057	38,869	59,839	60,629,565
Wood and paper products	14,252	4,193	37,260,725	121,657	10,448	44,493,899
Iron and its products	10,608	3,908	27,822,059	89,629		78,623,186
Non-ferrous metal products	4,676	1,570	11,584,812	23,262	3,048	130,735,009
Non-metallic mineral products	2,971	716	6,815,208	21,977	3,935	115,529,883
Chemicals and allied products	2,788	1,054	7,791,994	8,096	2,621	27,143,333
Miscellaneous industries	2,298	607	5,923,025	13,733	1,880	10,864,857
Central Electric Stations	4,793	1,216	9,768,810	8,699	-	17,816,898
TOTAL	65,886	19,597	162,348,978	413,634	119,816	531,583,250

Another view of the trend of employment is afforded by comparing the index numbers of employment in the manufacturing groups of industries by months for the calendar years 1922, 1923, 1924, 1925, 1926 and 1927 as presented in Table 10.

Table 10.- Index Numbers of Employment in the Manufacturing Groups of Industries by Months for the Calendar Years, 1922, 1923, 1924, 1925, 1926 and 1927.

Months	Calendar Years					
	1922	1923	1924	1925	1926	1927
January	74.4	84.5	86.7	81.7	90.0	94.7
February	79.0	92.0	91.9	85.8	93.0	98.2
March	84.5	94.7	93.1	88.6	94.9	99.8
April	84.4	92.6	93.6	91.2	96.6	101.5
May	85.5	97.9	94.9	93.7	98.8	103.9
June	91.1	101.2	95.7	95.6	101.6	106.9
July	91.1	101.3	94.9	96.4	103.1	106.8
August	92.9	101.2	93.3	95.8	103.6	107.0
September	93.6	100.7	91.5	96.8	104.8	106.8
October	93.8	99.4	92.7	98.8	104.6	106.4
November	94.9	98.7	91.3	96.5	102.7	104.9
December	94.9	95.5	88.7	95.3	101.5	104.3





A classification of industries based on chief component material is presented in Table 11 for the nine main groups into which all industry has been divided. Each group is further divided into the industries which from their use of common raw materials fall into certain well defined classes. The principle of classification by chief component materials cannot, however, be applied to modern industry with absolute precision owing to the highly complex organization of present day industry.

The table presents the principal statistics of each industry within the groups in such manner that further explanation is unnecessary.

Table 11.- Classification of Industry by Chief Component Material, 1927.

Table II.- Classification of Industry by Chief Component Material, 1927.													
Name of Industry	Estab-lish-ments. No.	Capital \$	Salaried Employees				Wage-earners			Cost of Materials \$	Value of Products		
			Males		Females	Salaries \$	Males No.	Females No.	Wages \$		Gross \$	Net \$	
			No.	No.	No.								No.
CANADA													
1. Vegetable Products	22,736	4,337,631,558	65,886	19,597	162,348,978	413,634	531,583,250	119,816	531,583,250	1,789,594,604	3,425,498,540	1,635,923,936	
Biscuits, confectionery and chewing gum	4,793	494,176,054	8,456	2,446	21,201,169	46,169	60,629,565	21,229	60,629,565	429,325,105	712,700,080	283,375,975	
Bread and other bakery products	294	46,448,311	1,559	564	390,1618	4,433	7,497,976	5,930	7,497,976	25,149,428	53,128,888	27,979,460	
Breweries	2,443	40,559,259	598	248	134,2088	11,786	14,726,059	1,782	14,726,059	35,779,690	68,726,262	32,946,572	
Cigars and cigarettes	73	62,358,117	755	100	199,6084	3,763	4,440,636	44	4,440,636	17,471,299	51,528,024	34,057,725	
Cocoa and chocolate	79	34,371,252	994	253	248,6827	1,773	3,390,041	3,227	3,390,041	17,350,343	55,801,338	38,450,995	
Coffee and spices	4	5,319,652	123	32	33,6221	249	424,371	271	424,371	2,931,913	4,757,969	1,826,056	
Distilleries	61	13,593,564	407	129	120,1015	648	991,683	420	991,683	20,392,675	26,288,506	5,895,831	
Feed and grist mills	17	37,528,954	209	49	51,3873	916	1,381,211	227	1,381,211	6,351,689	25,660,985	19,309,296	
Flour mills	884	5,695,314	23	9	41,157	1,203	773,204	1	773,204	20,456,869	24,144,145	3,687,276	
Fruit and vegetable canning, evaporating, etc.	431	56,366,699	881	212	211,1720	3,921	4,446,589	134	4,446,589	143,255,728	167,597,325	24,341,597	
Ice cream, cones	212	26,807,630	367	141	777,960	2,155	2,144,768	3,894	2,144,768	13,103,786	21,623,071	8,519,285	
Linseed oil and oil cake	10	694,902	6	2	22,290	56	60,873	30	60,873	114,246	451,228	336,982	
Macaroni and vermicelli	8	2,341,733	28	5	87,659	205	220,943	1	220,943	4,840,168	5,839,314	999,146	
Malt mills	11	1,239,819	42	12	81,748	130	161,501	121	161,501	970,402	1,547,359	576,957	
Maple syrup and sugar	5	5,437,053	49	4	119,630	124	196,544	-	196,544	3,382,740	4,787,879	1,405,139	
Miscellaneous food industries	6	362,800	14	3	44,448	33	32,337	2	32,337	877,249	1,294,662	417,413	
Miscellaneous vegetable products	53	8,470,618	168	70	444,595	504	757,410	245	757,410	4,820,894	9,878,350	5,057,456	
Pickles, vinegar and cider	6	2,255,426	21	2	49,261	180	193,504	7	193,504	2,671,470	3,877,031	1,205,561	
Rice mills	60	7,104,602	143	45	301,471	604	824,189	440	824,189	4,108,813	8,710,951	4,602,138	
Rubber footwear	6	1,402,285	24	3	74,721	51	52,477	-	52,477	1,588,168	1,994,813	406,645	
Rubber tires and other rubber goods	10	15,060,521	565	204	111,4725	3,705	4,891,819	2,266	4,891,819	9,203,686	26,397,643	17,193,957	
	34	51,205,543	892	239	212,9263	6,146	8,485,736	1,048	8,485,736	35,520,816	65,016,087	29,495,271	





Name of Industry	Estab- lish- ments No.	Capital \$		Salaried Employees		Wage-earners		Cost of Materials \$	Value of Products	
		Males No.	Females No.	Males No.	Females No.	Males No.	Females No.		Gross \$	Net \$
1. Vegetable Products-Cont'd.										
Starch and glucose	4	40	19			418	6	3,379,075	4,936,025	1,556,950
Sugar refineries	8	290	56			2,253	112	47,138,854	60,502,664	13,363,810
Syrups	8	17	6			21	19	249,309	355,167	105,858
Tobacco, chewing, smoking and snuff	36	184	29			730	975	6,689,777	15,323,167	8,633,390
Wines and grape juice	30	57	10			162	17	1,526,018	2,531,227	1,005,209
2. Animal Products	4,692	9,090	1,930			41,543	15,818	325,455,482	457,716,038	132,260,556
Animal hair goods	6	17	3			69	23	249,667	609,414	359,747
Animal oils and fats	6	7	5			97	4	281,816	553,989	272,173
Belting leather	9	55	16			152	2	839,210	1,392,665	553,455
Boot and shoe findings	15	35	4			241	83	758,051	1,491,464	733,413
Boots and shoes, leather	191	1,003	338			8,562	5,530	24,566,423	47,372,549	22,806,126
Butter and cheese	2,872	3,670	636			6,571	249	93,101,006	122,523,882	29,422,876
Condensed milk	27	122	41			617	54	9,633,072	13,387,048	3,753,976
Fish-curing and packing	773	582	57			9,748	6,310	18,364,846	31,084,609	12,719,763
Fur dressing and dyeing	11	57	8			616	118	284,795	3,128,916	2,844,121
Fur goods	233	345	197			1,228	1,311	13,177,957	19,747,364	6,569,407
Gloves and mittens, leather	46	156	48			570	804	2,576,604	4,873,191	2,296,587
Harness and saddlery	233	174	52			891	77	2,936,725	5,117,452	2,180,727
Human hair goods	5	1	1			11	8	14,281	56,980	42,699
Leather goods, n.e.s.	38	83	32			260	321	986,793	2,156,913	1,170,120
Leather, tanned, etc.	98	254	53			3,679	102	22,347,228	32,489,889	10,142,661
Sausages and sausage casings	35	34	11			189	17	1,299,885	2,016,848	716,963
Slaughtering and meat packing	76	2,437	408			7,492	711	133,076,361	167,220,892	34,144,531
Trunks, bags, etc.	18	58	20			550	94	960,762	2,491,973	1,531,211
Textile Products	1,802	5,954	2,857			38,869	59,839	198,870,157	382,007,457	183,137,300
Awning, tents and sails	55	81	31			215	191	1,349,267	2,313,907	964,640
Bags, cotton and jute	17	83	29			300	625	10,906,830	12,932,779	2,025,949
Batting	8	65	26			143	115	1,522,462	3,095,304	1,572,842
Carpets, mats and rugs	18	117	26			531	274	1,692,111	4,015,339	2,323,228
Clothing, men's factory	204	991	367			4,769	5,352	21,335,688	43,286,614	21,950,926
Clothing, women's factory	428	1,009	694			3,757	10,137	31,899,654	56,316,064	24,416,410
Cordage, rope and twine	14	82	24			958	376	7,499,649	10,827,418	3,327,769
Corsets	16	183	209			63	896	1,925,962	3,791,748	1,865,786





Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees				Wage-earners		Cost of Materials \$	Value of Products		
			Males		Females	Salaries \$	Males	Females		Wages \$	Gross \$	Net \$
			No.	No.	No.	No.	No.	No.				
3 Textile Products -Cont'd.												
Cotton and wool waste	7	1,088,826	21	11		63,265	168	76	1,651,843	2,296,367	644,524	
Cotton textiles,n.e.s.	18	1,048,250	33	12		87,373	97	247	1,099,234	1,697,273	598,039	
Cotton thread	5	4,279,408	69	24		181,660	182	503	2,094,749	4,640,536	2,545,787	
Cotton yarn and cloth	39	84,927,745	518	111		1,487,427	11,493	9,261	39,297,188	75,318,876	36,521,688	
Dyeing, cleaning and laundry work	55	20,029,231	450	299		1,387,254	3,752	5,458	2,584,884	20,101,889	17,517,005	
Flax, dressed	15	417,004	1	-		700	142	4	61,028	234,239	173,211	
Furnishing goods,men's	146	19,493,876	548	256		1,348,380	1,104	7,072	15,673,819	28,095,715	12,421,896	
Hats and caps	150	7,853,564	402	198		1,003,727	1,616	2,627	7,593,496	15,896,059	8,302,563	
Hosiery, knit goods and fabric gloves	168	56,852,077	696	362		2,337,795	4,874	11,285	28,269,830	55,222,395	26,952,565	
Linen goods	6	1,055,134	13	6		49,015	73	141	315,251	593,780	278,529	
Miscellaneous textiles, n. e. s.	5	3,089,460	41	6		94,661	154	127	1,943,479	2,632,102	686,623	
Oiled and waterproof clothing	18	1,168,207	40	17		108,294	117	193	749,585	1,430,633	681,048	
Silk goods	14	22,327,818	149	57		389,197	946	1,738	4,016,631	9,570,917	5,554,286	
Woollen cloth	55	20,170,185	234	50		612,880	2,086	1,879	7,991,590	14,318,369	6,326,779	
Woollen textiles,n.e.s.	24	7,758,050	84	22		310,330	615	392	2,939,986	5,934,369	2,994,383	
Woollen yarns	17	9,761,057	44	20		173,311	714	870	4,455,941	6,944,765	2,486,324	
4 Wood and Paper Products	6,811	1,023,301,749	14,252	4,193		37,260,725	121,657	10,448	271,780,232	629,567,156	357,786,924	
Beekeeper's and Poultry-men's supplies	5	34,960	-	-		-	12	-	18,048	48,497	30,449	
Blueprinting	14	156,041	12	2		31,071	60	9	91,211	256,568	165,357	
Boats and canoes	100	1,976,346	48	17		103,234	609	3	374,706	1,811,268	1,436,562	
Boxes and bags, paper	117	16,681,256	400	171		1,288,242	1,768	2,367	9,256,235	18,303,127	9,046,892	
Boxes and packing cases	123	10,016,524	196	39		479,725	2,812	262	4,359,447	9,073,306	4,713,859	
Carriages, wagons and sleighs	419	8,016,540	140	31		283,420	1,773	7	2,970,372	6,698,041	3,727,669	
Carriage and wagon materials	8	1,188,233	19	6		49,505	174	-	576,656	1,055,873	479,217	
Clothes pins	4	150,220	3			10,739	157	48	70,620	329,021	258,401	
Coffins and caskets	34	3,272,828	49	17		149,187	495	91	1,174,276	2,605,338	1,431,062	
Cooperage	83	2,117,594	41	8		88,666	504	1	1,975,925	3,138,542	1,162,617	
Excelsior	9	272,911	9	5		22,022	86	22	104,625	245,784	141,159	
Furniture and upholstery	334	36,682,976	808	269		2,185,513	9,526	435	14,154,730	35,733,818	21,579,088	





Name of Industry	Establishments No.	Capital \$	Salaried Employees			Wage-earners		Cost of Materials \$	Value of Products	
			Males No.	Females No.	Salaries \$	Males No.	Females No.		Gross \$	Net \$
<b>4. Wood and Paper Products-Cont'd</b>										
Lasts, trees and pegs	15	1,216,907	53	13	115,672	366	116	253,873	1,368,013	1,114,140
Lithographing and engraving	117	17,007,373	597	319	2,186,291	2,863	1,192	5,244,565	16,840,376	11,595,611
Miscellaneous wood products	74	4,877,973	86	32	251,633	877	58	1,278,886	3,489,381	2,210,495
Paper goods, n.e.s.	34	6,142,352	121	91	407,903	572	199	3,720,909	7,196,268	3,475,359
Planing mills, sash and door factories, etc.	771	50,861,269	1,004	210	2,131,485	10,127	95	26,343,318	47,955,546	21,612,230
Printing and bookbinding	662	35,263,910	1,412	403	3,760,494	6,772	2,376	11,509,271	35,026,439	24,237,160
Printing and publishing	720	55,831,150	4,235	1,512	9,671,199	7,892	1,389	14,502,065	62,030,896	47,528,831
Pulp and paper	114	579,553,552	2,679	495	8,093,830	28,889	813	84,813,080	219,329,753	134,516,673
Roofing paper, wallboard, etc.	12	5,016,586	116	35	379,071	302	6	2,896,587	5,573,777	2,677,190
Saw mills	2,720	169,378,939	1,705	238	3,999,948	42,571	84	77,438,700	133,620,554	56,181,854
Sporting goods	20	1,889,484	44	34	101,311	318	61	850,459	1,856,321	1,005,862
Stationery and envelopes	27	4,359,769	193	88	551,081	362	626	3,441,660	5,738,324	2,296,664
Stereotyping and electro-typing	21	1,268,029	69	23	181,865	262	1	165,508	1,204,824	1,039,316
Wall paper	4	3,823,553	151	36	555,673	390	108	1,145,688	3,063,737	1,918,049
Woodenware	9	431,317	10	4	30,782	263	22	189,126	605,456	416,330
Wood-turning	32	1,624,233	33	12	77,455	450	55	595,252	1,353,773	758,521
All other industries	9	3,885,924	19	3	53,708	405	2	2,184,434	3,214,533	1,030,099
<b>5. Iron and its Products</b>	1,148	638,914,893	10,608	3,008	27,822,059	89,629	3,048	261,102,679	525,921,839	264,819,160
Agricultural implements	65	88,981,203	1,134	384	2,427,643	9,398	95	19,317,415	42,996,288	23,678,873
Automobiles	11	88,831,668	1,547	570	4,723,711	8,746	200	88,451,757	128,700,514	40,246,757
Automobile supplies	78	13,065,269	277	70	747,391	2,397	222	7,687,812	14,862,616	7,174,804
Bicycles and motorcycles	3	2,254,813	46	9	90,158	321	32	611,023	1,194,471	583,448
Boilers, tanks and engines	33	9,329,528	230	53	579,318	1,369	2	2,853,951	5,945,694	3,091,743
Castings and forgings	328	89,505,687	1,773	508	4,898,497	16,516	352	26,792,119	69,395,343	42,603,224
Hardware and tools	128	32,523,774	619	222	1,656,961	4,940	878	7,342,625	24,470,656	17,128,031
Iron and steel products, n.e.s.	69	12,210,158	463	97	1,173,970	2,457	37	5,652,811	13,134,665	7,481,854
Machinery	160	62,006,808	1,501	486	3,749,772	7,734	226	15,277,973	44,602,135	29,324,162
Railway rolling stock	35	81,519,950	1,306	89	3,049,222	19,996	45	38,518,449	74,466,912	35,948,463
Sheet metal products	144	38,795,028	985	352	2,604,009	6,298	761	22,149,452	43,855,416	21,705,964
Steel and rolled products										
pig iron, ferro-alloys, etc.	36	96,295,734	449	80	1,306,614	6,864	3	18,993,940	45,571,264	26,577,324
Wire and wire goods	58	23,595,273	278	88	814,793	2,593	195	7,453,352	16,725,865	9,272,513





Name of Industry.	Estab-lish-ments No.	Capital	Salaried employees				Wage-earners			Cost of Materials	Value of Products	
			Males		Females		Males	Females	Gross		Net	
			No.	No.	No.	No.						
6. Non-ferrous metal products	401	208,957,166	4,676	1,570	11,584,812	23,262	3,935	32,569,883	87,612,666	200,369,961	112,757,295	
Aluminum products	12	4,189,658	53	14	133,864	345	73	491,805	976,901	2,318,894	1,341,993	
Brass and copper products	29	22,425,179	697	160	1,580,023	3,601	374	4,485,648	12,546,718	24,054,657	11,507,939	
Electrical apparatus and supplies	130	80,475,999	2,916	1,106	6,923,139	9,926	2,865	13,690,453	32,734,875	78,558,730	45,823,855	
Lead, tin and zinc products	25	4,295,256	92	40	246,218	408	62	456,080	3,054,979	5,149,092	1,294,113	
Miscellaneous non-ferrous metal products	16	965,937	36	5	116,188	164	29	193,048	281,940	947,705	665,765	
Non-ferrous smelting and refining	10	85,366,662	584	60	1,551,036	6,999	28	10,569,204	32,516,687	77,996,265	45,479,578	
Precious metal products	109	11,238,475	298	195	1,034,344	1,819	504	2,683,645	4,700,566	11,344,618	6,644,052	
7. Non-metallic mineral products	84	280,035,657	2,971	716	6,815,208	21,977	998	27,143,333	86,312,529	175,746,065	89,433,536	
Acetated and mineral waters	335	11,665,086	432	62	760,753	1,234	74	1,292,290	3,461,311	8,712,427	5,251,116	
Asbestos and allied products	13	2,860,945	46	9	116,543	224	21	240,416	797,975	1,663,300	865,325	
Cement	12	40,509,319	113	12	270,328	2,145	-	2,873,604	-	14,391,937	14,391,937	
Cement products	151	2,671,273	117	11	189,515	741	3	746,538	912,686	2,663,065	1,750,379	
Clay products, domestic	194	30,437,607	313	47	744,367	4,416	-	4,024,940	-	11,173,189	11,173,189	
Clay products from imported clays	13	2,334,820	71	17	207,769	513	51	635,766	567,519	2,088,238	1,520,719	
Coke	6	29,879,157	32	1	98,224	618	1	1,020,314	10,436,112	15,318,880	4,882,768	
Gas, illuminating and fuel	42	60,231,073	690	316	1,488,257	2,475	13	3,462,324	6,178,791	18,725,869	12,547,078	
Glass products	54	12,736,057	219	71	574,599	2,527	303	3,302,360	5,257,950	14,164,086	8,906,136	
Lime	60	6,200,481	83	14	160,195	1,035	-	965,513	-	3,923,388	3,923,388	
Miscellaneous non-metallic products	31	13,331,203	129	38	345,518	971	454	1,384,259	3,582,815	10,231,304	6,648,489	
Petroleum products	23	56,135,564	447	72	1,193,466	3,311	26	4,994,760	53,059,921	64,528,820	11,468,899	
Salt	11	3,194,802	40	14	121,100	285	37	378,867	-	1,614,667	1,614,667	
Sand-lime brick	11	1,586,064	22	2	47,354	230	-	252,964	258,777	939,911	681,134	
Stone, ornamental and monumental	228	5,758,806	217	30	487,220	1,252	15	1,768,418	1,798,672	5,606,984	3,800,312	
Chemicals and Allied Products	561	134,618,839	2,788	1,054	7,791,994	8,096	2,621	10,864,857	63,630,588	127,484,672	63,854,084	
Acids, alkalis, salts and compressed gases	42	35,312,251	408	98	1,056,303	1,770	9	2,406,758	15,662,786	30,740,646	15,079,060	



Name of Industry	Estab-lish-ments. No.	Capital \$	Salaried Employees				Earnings		Cost of Materials \$	Value of Products	
			Males		Females		Males \$	Females \$		Gross	Net
			No.	No.	No.	No.					
8. Chemicals and Allied Products - Cont'd.	17	4,298,391	37	8	93,835	175	2	220,444	2,358,228	3,796,715	1,430,407
Coal tar and its products	16	18,328,869	155	23	375,830	1,200	567	1,551,022	6,371,855	12,921,079	6,049,224
Explosives, ammunition fireworks, matches	12	1,998,811	29	13	80,912	190	1	143,652	1,200,030	1,844,032	644,002
Fertilizers	30	2,915,682	117	35	419,177	263	40	336,869	1,184,921	3,441,677	2,636,156
Inks, dyes and colours	136	17,542,111	531	305	1,601,084	804	530	1,559,718	5,762,019	11,906,521	10,467,192
Medicinal & pharmaceutical prep.											
Miscellaneous chemical industries	125	9,900,455	440	201	1,177,134	800	358	1,144,521	5,404,310	11,906,521	6,426,111
Paints, pigments and varnishes	62	23,162,090	614	189	1,795,696	1,500	222	1,756,890	12,934,639	25,229,454	12,294,155
Soaps, washing compounds and toilet preparations	110	19,252,665	439	182	1,156,939	1,000	484	1,504,766	11,387,719	19,993,453	8,111,000
Wood distillates and extracts	11	1,907,514	18	-	35,084	210	-	240,217	685,601	1,587,904	722,000
9. Miscellaneous industries	447	111,178,478	2,298	607	5,922,025	13,732	1,880	17,816,898	34,699,896	79,130,705	43,460,000
Advertising and other novelties	8	145,166	8	2	25,530	17	48	55,869	92,766	262,800	110,051
Artificial flowers & flowers	7	263,958	20	19	54,912	12	115	73,712	161,120	423,141	262,320
Bridge building	9	16,159,490	665	81	1,709,307	2,596	-	3,899,373	9,635,400	16,000,892	3,902,981
Brooms, brushes and mops	80	3,976,645	181	68	468,561	930	233	820,932	1,797,972	4,277,611	2,431,705
Buttons	13	1,393,122	49	16	147,762	226	193	256,908	306,400	955,397	619,899
Candles and taper	9	74,956	6	1	17,365	36	17	40,083	192,840	407,200	214,375
Fountain pens	4	1,287,632	33	17	103,315	155	68	161,072	629,397	1,836,135	1,200,736
Ice artificial	28	4,595,623	30	10	82,066	236	3	320,220	60,600	1,112,960	1,412,860
Jewel cases & silverware cabinets	6	210,197	8	9	25,939	35	50	64,843	64,698	219,700	125,000
Mattresses and springs	59	7,131,382	163	51	578,293	1,106	213	1,526,292	4,617,255	9,200,000	4,613,700
Motion pictures	8	655,455	95	19	128,520	57	19	115,431	330,808	733,100	4,200,000
Musical instruments & materials	47	15,415,158	242	97	662,655	2,655	207	3,127,185	5,710,793	11,750,140	6,045,601
Refrigerators	8	637,208	13	5	38,061	221	2	189,616	330,110	645,127	500,000
Regalia & society emblems	11	220,399	11	12	36,509	19	40	52,163	122,907	204,660	111,175
Scientific & professional equipment											
Shipbuilding and repairs	21	16,388,314	126	85	400,753	571	322	1,021,051	3,616,016	7,015,428	6,199,412
Stamps and stencils	37	39,324,683	480	51	1,040,720	4,291	9	5,165,109	5,463,000	16,407,127	10,944,120
Statuary, art goods & church supplies	31	557,483	54	19	101,263	186	10	229,484	95,804	604,550	500,000
Store and display fixtures	30	680,913	39	18	91,765	219	157	340,502	393,115	1,137,632	744,517
Toys and games	3	217,655	7	5	17,291	77	10	83,014	60,882	264,952	204,070
Typewriter supplies	12	219,807	12	4	26,970	68	30	81,154	173,730	371,509	197,639
Umbrellas and parasols	4	518,930	25	10	96,005	36	15	63,143	236,561	535,017	298,456
All other industries	9	571,261	22	8	65,657	40	118	122,664	442,095	791,661	340,000
10. Central Electric Stations	3	133,031	0	-	6,480	16	7	21,050	43,630	101,898	58,268
	1,097	866,825,285	4,793	1,216	9,768,810	8,699	-	13,177,505	30,785,270	134,818,567	104,033,297





Fuel used by Canadian industrial establishments in 1927 is presented in Table 12 by provinces and industrial groups. The total value of fuel consumed and included 6,470,803 tons of bituminous coal, the value in 1927 amounting to 7,220,528 as against an expenditure of 7,371,769 in 1926. Of the total fuel used the province of Ontario expended therefore 29,635,533 or nearly 49.3 per cent, Quebec being next with 46,471,746, or 27.4 per cent, followed in order by British Columbia with 7.4 per cent and Nova Scotia with 3.9 per cent.

the groups of industries using fuel most extensively in 1927 were wood and paper to the value of \$14,631,308 or approximately 24.5 per cent; non-metallic mineral products being next with \$12,696,487 or 21.1 per cent, iron and its products next with \$9,279,931 or 15.4 per cent followed by vegetable products with \$6,940,596 or 11.5 per cent.

Table 12: - Fuel Consumption by Provinces and Groups of Industries, 1927.

[illegible]

1/ Fuel used in the butter and cheese industry for the Province of Quebec included under "All other Fuel".





# POWER EQUIPMENT OF INDUSTRIES

The statistics of power equipment in the manufacturing industries of Canada are presented in Table 13. These comprise all of such industries operating during 1927 and include central electric stations which produce electric energy for driving the machinery of other industries and for lighting purposes. The equipment driven by electricity purchased from central electric stations is shown in column 5 and so as to show only net figures in column 8 for the total power equipment employed, the amounts in column 5 marked # have been excluded from the totals in column 8. The total equipment for each of the groups of industries except central electric stations, includes the motors driven by such purchased power.

The net increase in all primary power equipment compared with that of 1926 was 371,189 h.p. Central electric stations increased their equipment by 372,208 h. p. whilst other industries reported a decrease of only 1,019 h. p., but increased the electric motors operated by power purchased from central electric stations by 154,353 h. p. The excess of the increase in central electric stations took care of the increased lighting load and power load for mines and electric railways which are not included in these industrial statistics. Steam engines and turbines increased by 20,396 h. p., or 2. per cent, internal combustion engines by 1,199 h. p. or 1.5 per cent and water wheels and turbines increased by 349,594 h. p. or over 8 per cent. The increasing use of electricity in manufacturing industries is indicated by the capacity of electric motors used which increased during the year by 154,353 h. p. or nearly 7. per cent.

Table 13.- Power Equipment of Manufacturing Industries of Canada, by Provinces and Groups of Industries, 1927.

(a) Provinces	Steam engines and Turbines		Internal Combustion Engines		Hydraulic Turbines or Water Wheels		Total Primary Power		Electric Motors		Total Electric Motors		Total Power Equipment for manufacturing purposes	
	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Prince Edward Island	3,825	949	1,494	6,268	473	314	787	6,741						
Nova Scotia	114,224	3,561	54,695	172,480	24,162	40,400	64,562	196,642						
New Brunswick	65,967	4,212	38,134	108,313	12,747	24,618	37,365	121,060						
Quebec	197,017	8,138	2,022,229	2,227,384	861,314	82,677	943,991	3,088,698						
Ontario	296,480	33,115	1,740,534	2,070,129	782,304	149,340	931,644	2,852,433						
Manitoba	45,630	2,277	254,929	302,836	80,548	145	80,693	383,384						
Saskatchewan	71,040	13,235	2	84,277	13,947	128	14,075	98,224						
Alberta	87,898	4,587	33,540	126,025	25,759	4,909	30,668	151,784						
British Columbia	156,850	9,679	417,050	583,579	123,433	84,024	207,457	707,012						
TOTAL	1,038,931	79,753	4,562,607	5,681,291	1,924,687#	386,555	2,311,242	5,681,291						
Vegetable products	57,526	11,172	39,275	107,973	172,197	22,905	195,102	280,170						
Animal products	25,895	5,702	1,990	33,587	68,063	2,848	70,911	101,650						
Textiles and textile products	27,794	1,543	28,519	57,856	99,199	20,862	120,061	157,055						
Wood and paper products	398,324	13,469	436,490	848,283	922,626	229,497	1,152,123	1,770,909						
Iron and steel products	137,751	20,938	3,942	162,631	288,945	67,176	356,121	451,576						
Non-ferrous metal products	19,790	178	68,860	88,828	148,692	29,046	177,738	237,520						
Non-metallic mineral products	27,503	3,515	47	31,065	129,131	11,039	140,170	160,196						
Chemicals and allied products	15,723	320	8,470	24,513	41,385	3,132	44,517	65,893						
Miscellaneous industries	74,851	306	2	8,159	54,449	50	54,449	62,608						
Central Electric Stations	320,774	22,610	3,975,012	4,318,396	-	-	-	4,318,395						

1/ Less horse power rating of motors in preceding groups and provinces that were operated by power purchased from the Central Electric Stations group.





## Urban Statistics of Manufactures, 1927.

The statistics of manufactures in urban municipalities having 3 or more establishments and a gross value of production of \$1,000,000 or over in the calendar year 1927 are presented in Table 14. In the 209 urban municipalities included in the table the value of manufactured products amounted to \$2,934,959,553 in a total for the whole of Canada of \$3,425,498,540 or 85.68 per cent though the number of establishments represented but 49.09 per cent of the total. Capital investment in the 209 urban municipalities was 78.54 per cent of the total for the Dominion; the number of persons employed 81.56 per cent, the cost of salaries and wages 86.71 per cent and the cost of materials 85.22 per cent.

Table 14. Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1927.

Cities and Towns	Estab-lish-ments	Capital	Employ-ees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>P. E. Island</u>	30	1,873,244	429	403,927	1,002,997	1,881,181
Charlottetown	30	1,873,244	429	403,927	1,002,997	1,881,181
<u>Nova Scotia</u>	256	106,987,848	8,961	9,954,158	31,566,967	57,625,217
Sydney	29	42,367,891	1,961	2,648,275	7,052,243	16,988,479
Dartmouth	15	16,008,628	854	1,164,634	14,106,038	16,331,684
Halifax	106	31,003,880	3,472	3,660,131	4,849,189	13,069,488
New Glasgow	29	6,152,348	717	753,242	1,889,445	3,651,768
Truro	25	4,282,982	795	644,012	1,657,407	3,147,166
Yarmouth	30	3,096,493	549	494,740	1,077,800	2,324,872
Amherst	22	4,075,626	613	589,124	934,845	2,111,460
<u>New Brunswick</u>	286	71,470,595	10,252	10,446,853	31,054,679	53,199,386
St. John	129	33,487,639	3,494	3,467,098	18,632,862	28,060,757
Moncton	40	7,633,891	2,359	2,666,502	3,580,229	7,350,483
Edmonton	10	6,708,529	437	551,123	1,864,022	3,760,024
Bathurst	14	8,311,565	594	733,302	1,305,264	3,360,292
St. Stephen	16	2,427,710	520	496,718	1,473,294	2,614,753
Fredericton	31	3,331,028	705	673,677	1,214,491	2,428,377
Milltown	3	2,329,538	863	687,403	688,927	1,806,947
Newcastle	16	3,349,394	545	432,553	1,204,136	1,706,695
Sackville	11	1,520,730	410	448,442	441,819	1,093,101
Campbellton	16	2,370,571	325	290,045	549,655	1,017,957
<u>Quebec</u>	2,842	1,079,499,768	161,617	178,136,904	397,434,072	851,551,165
Montreal	1,823	552,788,702	98,353	113,797,512	259,104,230	540,267,591
Three Rivers	54	67,037,070	7,384	8,046,150	18,212,158	44,303,821
Quebec	263	43,080,873	9,764	8,319,755	15,504,295	35,258,337
Shawinigan Falls	20	65,494,137	2,338	2,971,236	7,929,420	20,509,086
Sherbrooke	76	23,045,210	4,451	4,455,171	7,990,106	18,429,939
Lachine	25	18,891,354	2,523	4,022,855	7,414,042	15,878,574
Montreal East	4	23,848,875	1,539	2,168,136	10,878,453	15,633,773
Hull	38	13,771,199	2,672	2,791,622	4,850,619	11,623,773
Valleyfield	24	10,864,298	2,889	2,315,430	3,354,163	10,061,326
Granby	28	8,951,300	2,436	2,071,855	4,256,776	9,966,459
Magog	13	4,752,328	1,422	1,102,047	6,093,027	8,806,061
Grand Mere	15	51,567,070	1,280	2,001,173	2,366,241	8,773,013
St. Hyacinthe	48	9,093,056	2,537	1,855,439	4,378,924	7,921,597
Xenogami	3	15,810,035	933	1,442,263	2,498,940	7,907,530
St. Jerome	28	4,838,863	1,884	1,435,763	2,914,787	7,420,036
Port Alfred	3	23,005,193	920	1,276,226	2,136,492	7,728,575
St. John	30	7,321,056	2,360	2,317,893	3,133,175	6,442,514
Drummondville	17	17,820,681	1,438	1,168,241	3,091,883	5,724,262
East Angus	5	13,393,927	793	853,680	2,769,081	5,246,840
Lauzon	5	4,047,221	604	664,855	1,694,578	4,756,774
La Tuque	10	7,958,221	601	865,721	1,880,173	4,704,753
Beloeil	8	4,299,950	234	303,165	2,503,466	4,279,459
Victoriaville	24	4,167,054	1,164	920,433	1,763,190	4,052,711
Bonnamy	3	11,444,207	499	826,335	1,735,745	3,317,837
St. Joseph d'Alma	5	11,208,201	473	720,808	809,125	3,492,074
Chicoutimi	20	13,159,946	670	701,034	1,892,482	3,594,780
Verdun	9	1,683,193	797	763,083	1,625,809	3,166,780





Table 14. Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1927 - Cont'd.

Cities and Towns	Estab- lish- ments	Capital	Employ- ees	Salaries and Wages	Cost of Materials	Gross Value of Products
Quebec - Cont'd.	No.	\$	No.	\$	\$	\$
Berthier	11	4,223,520	389	301,878	675,073	2,605,617
Borel	19	3,479,337	1,394	1,123,241	859,566	2,534,861
Beauharnois	9	5,283,360	563	509,622	1,107,881	2,462,913
Windsor	7	3,670,991	491	569,845	953,500	2,196,104
Joliette	37	1,712,630	562	426,394	987,911	2,082,518
Bromptonville	3	413,743	341	402,461	1,185,897	1,958,191
Coaticook	24	2,436,990	728	450,162	1,010,258	1,893,666
Chandler	4	2,961,636	449	466,585	775,321	1,866,494
Marieville	10	1,584,135	489	391,004	985,335	1,862,530
Buckingham	14	2,787,741	364	390,059	748,948	1,645,873
Swansville	11	2,203,149	484	439,339	699,534	1,628,840
Longueuil	7	2,322,587	249	356,391	97,014	1,470,216
Outremont	3	593,118	449	477,868	550,619	1,369,816
Jonquiere	10	1,672,726	216	311,331	534,047	1,317,869
Rock Island	15	2,162,484	365	323,353	624,206	1,301,180
Cap de la Madeleine	6	316,330	119	81,573	1,003,492	1,189,400
Montmagny	20	3,113,564	357	317,111	409,375	1,065,879
St. Remi	11	597,460	134	85,971	839,110	1,059,245
Asbestos	10	1,350,822	165	176,243	572,735	1,056,848
Rimouski	10	3,270,225	351	308,009	431,555	1,011,746
Montreal	5,927	1,751,451,501	267,741	328,351,594	857,455,008	1,601,564,816
Toronto	2,092	475,475,308	92,238	115,556,907	270,275,071	520,066,313
Hamilton	422	179,328,754	29,210	36,984,470	72,757,263	152,107,454
Oshawa	35	31,883,066	6,846	10,127,271	50,763,745	77,631,290
Ottawa	201	56,466,275	7,858	9,373,881	45,764,916	63,118,092
Kitchener	136	38,147,031	7,812	8,492,474	20,982,907	44,047,658
London	227	44,893,474	9,573	10,745,671	18,151,824	41,862,911
Niagara Falls	60	38,124,635	2,595	3,642,032	15,932,378	33,833,423
Peterboro	80	24,623,192	5,154	5,405,442	20,833,209	33,320,567
Brantford	93	57,700,583	7,184	8,052,922	16,068,448	32,295,153
New Toronto	11	21,547,100	3,296	4,846,594	20,234,035	31,183,884
Windsor	138	25,343,714	3,727	5,689,741	16,210,165	30,167,871
Walkerville	53	27,000,724	3,074	4,998,114	12,483,363	23,964,498
Barnia	38	22,018,923	2,564	3,795,135	15,831,277	23,053,656
Wood City	10	47,685,960	4,218	7,888,465	10,915,310	22,745,267
Sault Ste. Marie	43	62,702,079	2,198	3,686,951	9,870,363	20,545,524
Windsor	89	16,914,351	4,179	4,472,089	9,224,762	17,875,175
Welland	39	20,383,847	2,732	3,031,790	9,352,477	17,032,516
St. Catharines	92	19,339,889	3,848	4,543,043	7,102,270	16,097,047
Port Colborne	13	8,721,063	654	865,912	12,640,374	15,660,316
Chatham	55	15,443,712	2,401	2,826,757	9,603,639	15,008,617
Salt	76	16,241,958	3,761	4,191,293	6,835,091	14,639,449
Georgetown	4	6,249,520	395	540,399	12,671,286	14,553,121
Thorold	16	26,686,439	1,368	2,273,403	4,985,665	13,530,977
Cornwall	46	19,374,317	3,720	3,534,258	5,946,130	13,287,808
Stratford	62	11,241,464	3,057	3,686,855	6,300,069	12,095,953
Leaside	4	11,848,429	1,142	1,885,841	8,092,077	11,703,928
Kenora	16	15,230,705	704	947,940	6,899,107	10,717,203
St. William	38	16,461,224	1,174	1,422,393	5,159,973	9,753,293
Ojibway Falls	3	35,085,840	1,040	1,859,160	2,615,418	9,426,595
Woodstock	60	10,399,102	2,187	2,254,242	4,727,926	8,771,664
Wallaceburg	19	7,957,467	1,009	1,346,078	5,260,170	8,397,092
Kingston	59	13,895,818	1,680	1,894,357	4,067,538	8,253,524
St. Frances	13	14,000,870	892	1,202,741	3,111,092	7,499,980
Rockville	33	5,494,402	783	799,261	4,996,391	7,040,108
Waterloo	34	11,249,983	1,346	1,492,926	3,134,271	6,461,725
Winston	33	5,829,571	1,507	1,739,637	2,694,739	5,753,070
St. Arthur	24	16,972,967	1,448	1,956,073	1,670,402	5,579,907
Richmond	20	2,391,891	334	346,667	4,511,086	5,531,605
Windsor	12	7,312,922	818	881,009	2,589,162	5,827,815
St. Thomas	45	4,140,754	1,104	1,107,487	2,912,717	5,158,130
Windsor	49	8,538,150	1,208	1,253,355	1,539,002	5,003,615
Windsor	46	6,666,004	1,626	1,568,523	2,036,203	4,963,933





Table 14. Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1927 - Cont'd.

Cities and Towns	Estab- lish- ments No.	Capital \$	Employ- ees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
Ontario - Cont'd.						
Simcoe	35	3,955,944	764	566,465	2,772,324	4,692,070
Midland	20	4,561,548	798	800,255	3,149,660	4,536,593
Fergus	13	1,242,916	594	541,226	1,775,914	4,573,668
Leamington	15	2,752,084	497	502,229	1,948,155	4,456,583
Huntsville	13	5,019,758	467	449,533	2,744,855	4,335,783
Pembroke	36	7,208,655	1,204	915,124	2,882,749	3,952,359
Paris	20	5,863,056	1,112	967,759	2,882,856	3,880,040
Renfrew	19	4,159,507	721	760,720	2,164,601	3,805,519
St. Marys	22	4,429,470	510	581,255	1,796,789	3,791,749
Hespeler	14	6,750,934	1,555	1,044,661	1,216,136	3,732,384
Orillia	34	5,641,838	1,033	1,005,846	1,766,973	3,625,128
Bowmanville	19	3,663,983	614	601,080	1,919,416	3,520,735
Acton	13	3,157,356	436	411,505	2,208,300	3,509,192
Newmarket	15	2,102,442	571	608,918	1,581,123	3,296,810
Cardinal	8	3,108,858	312	389,895	2,340,663	3,291,195
Ingersoll	26	3,515,260	617	683,697	1,904,409	3,227,285
Elmira	15	2,183,966	588	585,088	1,166,327	3,086,975
Petrolia	18	2,377,300	202	249,462	2,081,669	3,075,774
Chippewa	3	809,029	162	254,251	583,377	2,953,363
Aurora	8	1,327,183	419	454,933	2,112,399	2,833,757
Merritton	8	3,757,738	489	736,201	1,206,382	2,752,029
Dundas	19	4,424,825	745	883,738	1,225,563	2,701,859
Perth	22	3,638,066	652	704,214	1,107,465	2,653,125
Weston	10	3,665,136	683	812,169	1,176,707	2,607,515
Brampton	22	2,317,171	827	829,463	1,288,415	2,601,432
Oakville	20	1,551,836	405	458,461	1,715,325	2,568,251
Gananoque	25	3,083,602	623	727,377	1,111,259	2,515,049
Hanover	15	2,983,825	637	676,894	1,191,399	2,502,671
Lindsay	38	2,742,098	504	506,943	1,352,434	2,497,071
Tillsonburg	23	1,937,269	528	503,523	1,590,925	2,448,321
Cobourg	29	2,683,057	451	419,513	1,036,819	2,383,595
Kapuskasing	5	18,445,218	427	546,931	1,022,179	2,350,456
Georgetown	14	2,612,211	462	458,885	1,357,185	2,321,660
Smith's Falls	22	3,755,761	648	708,713	1,117,680	2,301,666
Port Hope	31	3,280,293	591	747,360	736,161	2,248,851
Amherstburg	10	9,195,774	285	405,268	322,113	2,164,526
Sandwich	10	3,881,297	394	635,777	397,416	2,160,209
Aylmer	9	1,803,914	196	139,831	1,353,187	2,155,085
Sudbury	26	4,000,746	359	417,925	1,032,035	2,142,812
Carleton Place	21	2,720,545	577	576,469	930,592	2,062,370
Campbellford	26	1,976,441	380	367,124	1,125,506	1,996,910
Bridgeburg	20	1,341,252	183	269,669	937,031	1,910,582
Timmins	24	17,081,921	182	222,152	111,618	1,803,357
Arnprior	13	4,062,366	470	460,326	962,484	1,362,764
Dunnville	17	1,987,579	573	590,760	779,146	1,840,582
Chesterville	7	1,012,326	131	165,654	1,245,981	1,809,031
Kincardine	14	1,680,998	445	414,724	811,197	1,806,341
Sturgeon Falls	8	71,465	463	658,947	1,212,713	1,801,956
Napanee	22	1,316,311	322	310,347	1,023,525	1,758,530
Port Credit	3	2,061,919	172	229,278	1,033,084	1,739,707
Penetanguishene	15	1,579,708	370	381,044	856,018	1,672,624
Ft. Dalhousie	5	1,103,153	481	448,260	513,264	1,530,874
Caledonia	11	684,768	181	219,136	853,651	1,505,788
Listowel	21	938,773	392	321,466	937,206	1,581,714
Carrie	18	1,545,185	301	312,033	965,588	1,570,408
Freton	26	2,394,987	509	406,473	765,633	1,517,565
Bracebridge	19	2,613,570	330	280,900	951,170	1,510,976
Elizbury	9	779,220	263	319,137	599,195	1,408,833
Blind River	6	1,242,447	256	211,034	860,950	1,408,609
Wilton	14	2,917,255	148	386,721	737,029	1,408,626
Levinstock	12	490,428	130	152,132	1,149,609	1,440,307
Leamford	16	1,390,924	332	296,872	944,821	1,435,521
Chabalt	8	14,340,509	170	250,445	32,624	1,401,695





Table 14. Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1927 - Cont'd.

Cities and Towns	Estab- lish- ment No.	Capital \$	Employ- ees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
<u>Ontario -Cont'd.</u>						
Strathroy	17	1,424,755	284	260,477	771,827	1,358,995
Collingwood	24	4,718,873	344	357,735	743,741	1,354,710
Wingham	19	950,919	256	256,883	745,662	1,314,383
Dryden	6	4,765,421	249	347,203	439,850	1,296,576
North Bay	21	1,398,219	254	316,988	626,691	1,295,604
Almonte	18	1,670,604	417	350,292	653,617	1,270,126
Ayr	7	626,758	98	108,094	589,726	1,201,377
Elora	12	956,789	307	311,681	447,949	1,188,639
Pictou	26	1,284,576	242	134,840	665,543	1,132,323
New Liskeard	14	1,047,584	213	225,201	561,344	1,101,272
Frankford	11	2,211,207	207	162,790	555,484	1,085,995
Kingsville	14	1,077,043	124	104,723	880,204	1,082,436
Walkerton	20	1,380,299	313	260,076	590,133	1,044,870
<u>Manitoba</u>						
Winnipeg	568	124,861,499	19,197	24,277,476	71,977,488	127,996,248
St. Boniface	476	108,717,326	16,785	21,215,664	48,986,976	95,592,864
Brandon	34	9,886,851	1,451	1,893,598	18,530,326	25,091,498
Portage La Prairie	36	4,124,838	445	564,709	2,148,021	3,602,178
The Pas	15	700,318	191	223,986	1,726,847	2,345,729
	7	1,432,166	325	379,519	585,318	1,363,979
<u>Saskatchewan</u>						
Regina	163	29,070,984	4,076	5,832,804	25,999,988	41,679,932
Moose Jaw	64	13,808,252	1,756	2,627,219	8,557,824	15,088,206
Saskatoon	26	5,573,184	823	1,202,881	11,254,445	14,870,155
Prince Albert	54	7,857,119	1,131	1,585,872	4,286,566	8,535,893
	19	1,832,429	366	416,832	1,901,153	3,185,678
<u>Alberta</u>						
Calgary	323	68,221,290	9,079	11,623,957	42,940,483	72,613,582
Edmonton	144	37,745,801	3,680	4,983,651	19,719,949	34,543,864
Medicine Hat	128	19,702,295	4,171	5,082,993	13,496,403	23,830,562
Lethbridge	21	5,422,325	619	754,234	8,048,627	10,329,755
Redcliffe	24	3,882,733	356	511,834	1,343,757	2,862,277
	6	1,468,136	253	291,245	331,747	1,047,124
<u>British Columbia</u>						
Vancouver	864	173,481,908	23,431	29,688,364	65,662,531	126,848,026
New Westminster	556	116,754,996	14,897	19,254,035	47,290,240	87,754,347
Victoria	52	11,016,028	2,269	2,682,160	7,474,904	12,326,163
North Vancouver	130	17,830,734	2,688	3,403,986	3,979,650	11,323,478
Prince Rupert	16	5,131,149	846	1,190,629	1,388,230	3,383,688
Roseland	14	3,283,897	209	337,672	2,047,896	2,794,967
Terrie	7	7,399,122	562	771,451	6,688	1,919,466
Fort Moody	6	6,077,027	200	267,219	607,200	1,316,186
Nelson	5	1,662,574	271	359,460	661,657	1,274,488
Zelowna	21	1,522,028	240	314,143	377,994	1,270,437
Duncan	21	985,948	420	281,873	665,168	1,214,116
Nanaimo	10	633,789	360	393,849	542,132	1,158,533
	26	1,184,616	469	431,887	620,772	1,112,157





Urban Statistics of Manufactures, 1927.

Summary of Production in Urban Centres.

A summary of the cities and towns having a production valued at \$1,000,000 and over showing the percentage of production in the cities and towns of each province to the total production in the province is presented herewith. The highest percentage so obtained is found in Ontario with 91.10 per cent followed by Manitoba with 90.09 and Quebec with 85.96 per cent. The lowest percentages appear in Prince Edward Island and British Columbia where the primary industries connected with the farm, the forest, the mine and the fisheries furnish the volume of production.

Province	Cities and towns in each province	Establishments reporting in each city, town, etc.	Production in cities and towns in each province of over \$1,000,000	Total production in each province of \$1,000,000 and over	Per cent of production in cities and towns to total production in each province
Prince Ed. Island	1	30	1,881,181	4,493,628	41.86
Nova Scotia	7	256	57,625,217	74,458,297	77.39
New Brunswick	10	286	53,199,386	72,666,665	73.21
Quebec	47	2842	851,551,165	990,582,995	85.96
Ontario	118	5927	1,601,564,816	1,758,004,575	91.10
Manitoba	5	568	127,996,248	142,089,678	90.09
Saskatchewan	4	163	41,679,932	52,180,681	79.88
Alberta	5	323	72,613,582	84,987,317	85.43
British Columbia	12	864	126,848,026	246,034,704	51.55
CANADA	209	11,259	2,934,959,553	3,425,498,540	85.68





81-D-20

C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

REPORT  
on the  
GENERAL MANUFACTURES  
of  
CANADA  
1928

---

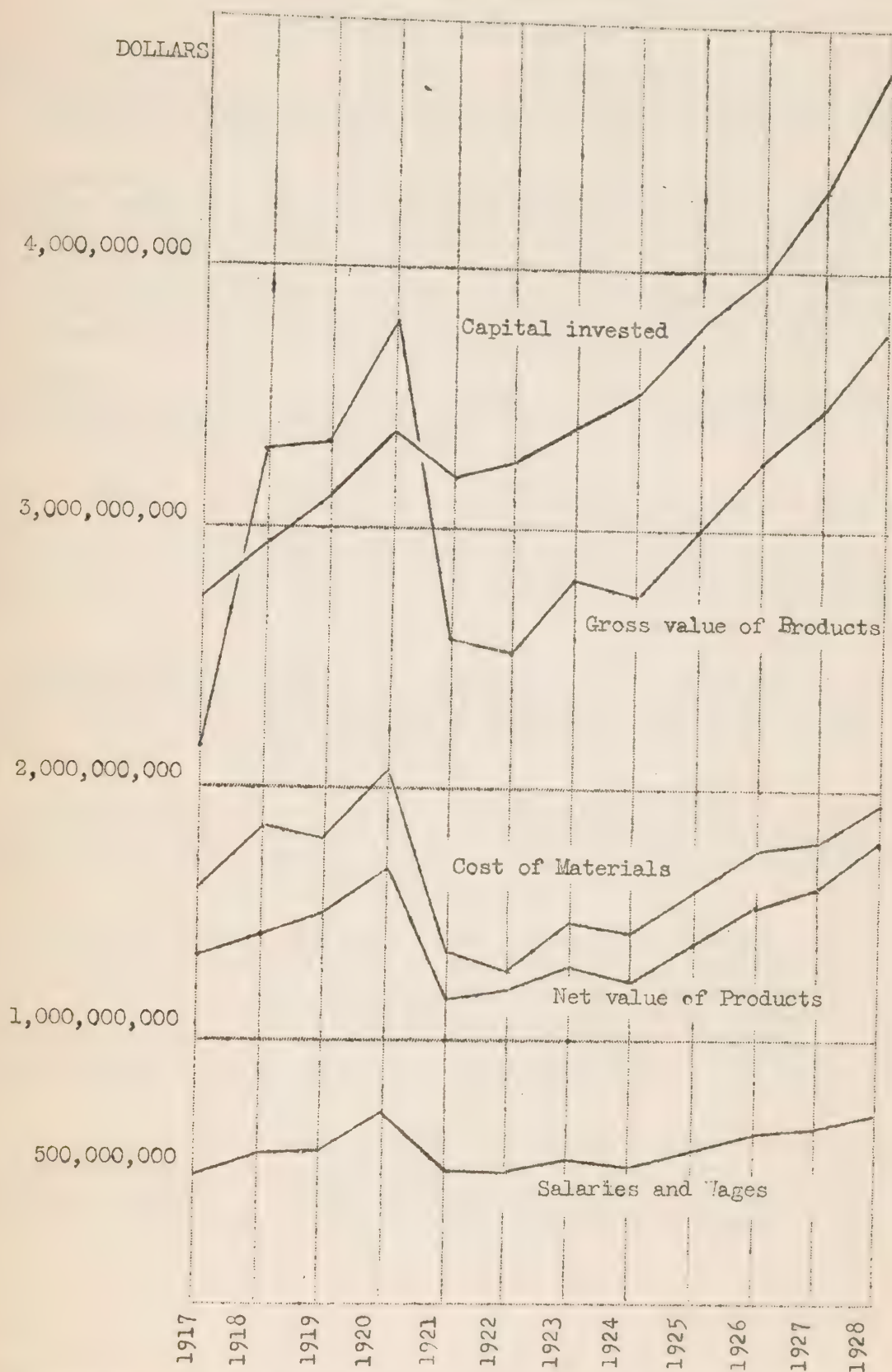
Published by Authority of the Hon. James Malcolm, M.P.,  
Minister of Trade and Commerce

♦ ♦ ♦  
OTTAWA

1930



# PRINCIPAL STATISTICS OF GENERAL MANUFACTURES







CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

Dominion Statistician:	R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
Chief, Census of Industry:	J. C. Macpherson

---

MANUFACTURES OF CANADA, 1928.

Ottawa, June, 1930.

A report on the manufacturing industries of Canada for the year ending 31st December, 1928, is herewith presented, the principal statistical features of which are outlined below:-

**Establishments:-** The number of individual establishments reporting in 1928 was 23,379 an increase of 443 from the number reported in 1927. The wood and paper products group shows an increase in the number reporting of 479 followed in order by the textile group with 83, the vegetable products groups with 52, the iron and steel group with 11, chemical products group with 11, the miscellaneous products group with 6 and the non-ferrous metal group with 5. The animal products group shows a decrease of 150, central electric stations of 48 and non metallic minerals of 6.

**Capital Investment:-** The total capital invested in Canadian manufacturing industries rose from \$4,337,631,558 in 1927, to \$4,780,296,049 in 1928, an increase during the year of \$442,664,491 or 10.20 per cent.

**Employment:-** The number of persons employed in the manufacturing industries of Canada in 1928 was 658,023, of whom 91,243 were salaried employees, and 566,780 wage-earners. Of the salaried employees 69,858 were males and 21,385 were females and of wage-earners 441,189 were males and 125,591 were females. Compared with 1927 there was an increase in the number of salaried employees of 5,760 and in wage-earners of 33,330.

**Salaries and Wages Paid:-** The total payments for labour and service in 1928 amounted to \$755,199,372, of which \$174,770,879 was paid for salaries, and \$580,428,493 for wages. Compared with 1927 there was an increase in the amount paid for salaries of \$12,421,901 and in wages of \$48,845,243.

**Materials Used:-** The total cost of all materials, whether in the raw or partly manufactured condition, used in the various processes of manufacture during 1928 was \$1,950,804,339. Compared with the preceding year there was an increase in the cost of materials of \$161,229,735 or over 9 per cent.

**Value of Products:-** The gross value of manufactured products at the point of production amounted to \$3,769,850,364 in 1928, which was an increase of \$344,351,824 or 10.05 per cent, when compared with 1927. Of the nine groups, all show increases in value of production ranging from \$83,711,160 in the iron and steel group to \$6,363,392 in the miscellaneous products group. A comparison by provinces show that increases prevailed in seven of the nine provinces, Ontario leading with \$191,719,544, Quebec being next with \$82,579,296 and Manitoba third with \$17,345,416.

The net value of production or the value added by manufacture, which is obtained by deducting the cost of materials from the gross value of products, was \$1,819,046,025 in 1928. This added value represented 48.25 per cent of the gross value in 1928 and 47.76 per cent in 1927 or a variation in added value of 11.2 per cent.





MANUFACTURES OF CANADA

1928

Comparative Summary of Recent Manufacturing Statistics.

A comparative study of the principal statistics of the manufacturing industries of Canada for the past two years is afforded in Table 1. The years for which these statistics are presented, are the annual censuses of 1927 and 1928 and the increases or decreases by percentages of the principal items is also included in the table.

Table 1. - Principal Statistics compared for 1927 and 1928.

Items		1927	1928	Increase (+) or decrease (-) p.c. 1928 over 1927.
Establishments	No.	22,936	23,379	+ 1.93
Capital invested	\$	4,337,631,558	4,780,296,049	+ 10.20
Average capital per establishment	\$	189,919	204,469	+ 7.66
Employees on Salaries	No.	85,483	91,243	+ 6.74
Salaries	\$	162,348,978	174,770,879	+ 7.65
Average salaries	\$	1,899	1,915	+ .84
Employees on wages	No.	533,450	566,780	+ 6.25
Wages	\$	531,583,250	580,428,493	+ 9.19
Average wages	\$	997	1,024	+ 2.71
Cost of materials	\$	1,789,574,604	1,950,804,339	+ 9.00
Average cost of materials per establishment	\$	78,025	83,442	+ 6.94
Value of products	\$	3,425,498,540	3,769,850,364	+ 10.05
Average value of products per establishment	\$	149,350	161,249	+ 7.97
Value added by manufacture	\$	1,635,923,936	1,819,046,025	+ 11.19



Table 2 presents the principal statistics of the manufacturing industries of Canada for the calendar year 1928, by provinces and by groups of industries classified according to chief component materials. The province of Ontario ranks first in production with 51.32 per cent of the total for the Dominion, Quebec being second with 28.92 per cent, whilst the remaining provinces follow in the order named;— British Columbia 7.19 per cent, Manitoba 4.15 per cent, Alberta 2.48 per cent, New Brunswick 2.15 per cent, Nova Scotia 2.12 per cent, Saskatchewan 1.52 per cent and P. E. Island .13 per cent.

In the industrial group classification first place is taken by the Vegetable products group having 20.80 per cent of the total of all groups. The wood and paper group is second with 18.38 per cent, iron and steel products third with 15.35 per cent, animal products fourth with 13.36 per cent, textile products fifth with 11.15 per cent followed in order by the non-ferrous metal group with 5.85 per cent, the non-metallic mineral group with 5.13 per cent, the central electric station group with 3.94 per cent, the chemical products group with 3.72 per cent, and the miscellaneous group last with 2.31 per cent.

Table 2.— Summary of the Principal Statistics of the Manufacturing Industries of Canada, 1928 - (a) By Provinces  
(b) By Groups of Industries

	No. of Establishments	Capital \$	Employees on Salaries		Salaries \$	Employees on Wages		Cost of Materials \$	Gross Value of Products \$
			Male	Females		Male	Female		
(a) By Provinces									
CANADA, Totals.									
Prince Edward Island	23,379	4,780,296,049	69,858	21,385	174,770,879	441,189	125,591	580,428,493	3,769,850,364
Nova Scotia	277	3,121,568	151	31	183,976	1,121	732	528,969	4,445,160
New Brunswick	1,167	138,809,331	1,383	395	2,850,760	14,008	3,436	12,987,634	84,945,088
Quebec	794	114,660,886	1,313	375	3,130,601	12,656	3,619	11,551,909	39,750,561
Ontario	7,231	1,583,350,884	20,109	5,137	49,485,152	131,279	48,434	168,402,329	510,580,872
Manitoba	9,900	2,275,921,056	36,204	12,958	94,376,781	213,754	57,813	296,999,166	1,034,501,240
Saskatchewan	871	159,721,124	3,169	829	7,545,721	17,540	3,628	25,023,502	88,284,693
Alberta	737	44,622,135	1,269	236	2,589,414	4,201	467	5,414,163	34,186,731
British Columbia and Yukon	778	92,190,476	1,810	458	4,020,520	8,915	1,644	11,382,772	59,398,697
	1,624	367,898,589	4,450	966	10,587,954	37,715	5,818	48,138,049	137,185,812
(b) By Industrial Groups									
CANADA, Totals									
Vegetable products	23,379	4,780,296,049	69,858	21,385	174,770,879	441,189	125,591	580,428,493	3,769,850,364
Animal products	4,845	531,918,725	9,035	2,755	22,902,282	48,675	23,299	65,217,060	439,922,128
Textiles and textile products	4,542	243,550,121	8,764	2,008	16,892,279	41,627	15,378	45,058,352	351,324,498
Food and paper products	1,885	365,721,591	6,517	3,234	19,085,001	41,156	62,817	84,366,324	223,730,616
Iron and its products	7,290	1,158,651,534	15,351	4,601	40,361,890	126,820	11,233	138,882,808	293,159,913
Non-ferrous metal products	1,159	702,931,186	11,488	3,314	30,307,217	101,159	3,238	138,012,821	309,618,074
Non-metallic mineral products	406	253,367,370	5,003	1,749	12,748,626	24,692	4,124	34,749,216	98,746,019
Chemicals and chemical products	1,178	298,693,122	2,996	654	6,983,637	24,251	749	30,152,814	93,603,873
Miscellaneous industries	572	148,939,920	3,294	1,217	8,579,680	8,826	2,793	11,710,737	74,163,334
Central electric stations	453	119,602,877	2,407	642	6,451,109	14,342	1,960	18,650,099	35,093,248
	1,049	956,919,603	5,003	1,211	10,459,158	9,641	-	13,628,262	31,365,636





Table 3 presents a classification of the principal statistics of the Manufacturing Industries of Canada according to origin. Products of Farm origin in 1928 were valued at \$1,396,551,078 and represented 37 per cent of the total of all production. Of the above total value of products of Farm origin, \$1,087,957,276 was of Canadian origin and \$308,593,802 of Foreign origin. The principal items of Canadian farm origin were:- Flour and Cereals (\$195,698,124), Meats, etc. (\$174,096,419), Butter and Cheese (\$130,212,308), Bread, biscuits and confectionery (\$131,631,320), Tobacco, cigars, etc. (\$76,827,357) and Boots and Shoes of leather (\$50,018,802), whilst those of Foreign origin were Cotton goods (\$79,219,582), Sugar (\$52,085,155), Rubber goods (\$97,208,713) and Coffee and spices (\$27,201,292).

Next to the products of Farm origin were those of Mineral origin totalling \$1,194,975,729 and comprising Iron and Steel products (\$609,632,999), Non-metallic minerals (\$206,082,141), Non-ferrous metals (\$237,966,927) and Chemical products (\$129,751,486).

Products of Forest origin occupied third place with a total value of \$679,373,546 and comprised Pulp and paper (\$233,077,236), Saw-mill products (\$139,424,754), Printing and publishing (\$67,879,806), Planing mill products (\$52,700,315), Printing and Bookbinding (\$41,018,466) and Furniture (\$41,825,534).

Products of the farm, the mine and the forest together show a production of \$3,270,897,353 or over 86 per cent of the total of all manufacturing production in 1928 amounting to \$3,769,850,364.

Table 3.- PRINCIPAL STATISTICS OF THE MANUFACTURING INDUSTRIES OF CANADA, CLASSIFIED ACCORDING TO THE ORIGIN OF THE MATERIALS USED, 1928.

	No. of Estab- lish- ments	Capital	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products
			Salaries		Wages			
			Male	Female	Male	Female		
	No.	No.	No.	No.	No.	No.		
1. Farm Origin	23,379	4,780,296,049	69,858	21,385	441,189	125,591	1,950,804,339	3,769,850,364
(a) From field crops	5,035	654,648,894	10,074	3,047	62,942	34,439	513,481,501	877,012,440
Canadian origin	4,740	398,072,152	6,704	2,057	35,384	18,698	331,757,735	579,315,911
Foreign origin	295	256,576,742	3,370	990	27,558	15,741	181,723,766	297,696,529
(b) From Animal husbandry	3,946	296,631,572	9,554	2,398	40,952	19,688	365,750,609	519,530,638
Canadian origin	3,930	270,471,869	9,311	2,302	39,437	17,607	361,111,892	506,641,365
Foreign origin	16	26,159,703	243	96	1,513	2,081	4,638,717	10,897,273
(c) Total Farm origin	8,981	951,280,466	19,628	5,445	103,894	53,127	879,232,110	1,396,551,078
Canadian origin	8,670	668,544,021	16,015	4,359	74,823	36,305	692,869,627	1,007,957,276
Foreign origin	311	282,736,445	3,613	1,086	29,071	17,822	186,362,483	308,593,802
Wild Life Origin	237	14,934,287	448	195	1,840	1,327	14,127,017	23,217,365
Marine Origin	713	26,941,283	577	53	9,053	5,751	20,578,767	36,267,732
Forest Origin	7,241	1,155,561,945	15,234	4,556	126,245	11,118	292,149,341	679,573,546
Mineral Origin	3,256	1,411,098,815	22,455	6,705	159,207	10,309	574,473,014	1,194,575,729
Mixed Origin	1,902	263,559,650	6,513	3,220	31,309	42,959	138,378,454	295,712,499
Central Electric Stations	1,049	956,919,603	5,003	1,211	9,641	-	31,365,636	143,692,455





Ranked in order of the value of gross production, producers' materials stand first with a total value of \$1,080,948,395 or 28.67 per cent, followed by the food group with a total of \$832,600,712 or 22.09 per cent, the industrial equipment group third, with a total of \$664,116,358 or 17.20 per cent and the clothing group fourth, with a total of \$359,609,705 or 9.5 per cent.

An analysis of the relative standing of the two purpose groups of more general interest is here presented. The food group of industries has a gross production of 23.44 per cent of the output of all Canadian manufacturing concerns as compared with 9.5 per cent for the clothing group. It will be noted that the much greater production in the food group was in part due to the higher cost of raw materials in that group as compared with the cost of such materials in the clothing group, the value added by the processes of manufacture being 27 per cent of the total value of all industries in the food group as compared with a percentage of 50.73 for the clothing group. The clothing group maintains a larger payroll than the food group despite the fact that a smaller output was recorded than for the food group, the anomaly being explained by the greater prevalence of female labour in the clothing group. The total amount of the payroll including outside pieceworkers in each of the two groups to the total of all groups of industries was 11.77 per cent for the food group and 13.18 per cent for the clothing group.

Table 4.- Principal Statistics of the Manufacturing Industries of Canada, classified according to the Purpose of the Principal Products, for the calendar year 1928.

	No. of Estab- lish- ments	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products
			Male No.	Female No.	Male No.	Female No.		
TOTAL	23,379	4,780,296,049	69,858	21,385	441,189	125,591	\$ 1,950,804,339	\$ 3,769,850,364
Food	8,212	440,873,879	11,498	2,941	54,688	21,246	605,692,720	832,600,712
Clothing	2,062	242,010,963	6,980	3,574	36,689	56,765	179,344,512	359,609,705
Drink and tobacco	596	183,028,239	2,822	595	9,565	4,824	62,541,589	190,513,874
Personal Utilities	390	54,569,674	1,460	670	6,938	2,226	26,245,820	56,527,435
House Furnishings	598	72,394,155	1,697	618	15,428	2,064	31,753,455	73,350,506
Books and Stationery	1,893	131,944,080	7,224	2,753	19,994	6,185	43,090,386	143,939,221
Vehicles and Vessels	859	296,174,301	5,174	1,250	49,885	1,713	200,180,697	336,396,291
Producers' Materials	6,001	1,729,056,251	15,011	3,339	170,732	21,153	504,241,541	1,080,948,395
Industrial Equipment	2,601	1,595,482,231	17,271	5,357	74,663	8,356	280,923,071	664,116,358
Miscellaneous	167	34,762,276	721	288	2,607	1,059	16,790,548	31,847,867





Table 5. Principal Statistics compared by Groups of Industries, 1927 and 1928.

Groups of Industries	Establishments No.	Capital	Employees on Salaries		Wage-Earners		Cost of Materials	Value of Products	
			Salaries		Wages				
			Male	Female	Male	Female			
	No.	No.	No.	No.	No.	No.			
1928									
Vegetable Products	4,845	531,918,725	9,035	2,755	48,675	23,299	65,217,060	439,922,128	756,995,585
Animal Products	4,542	243,550,121	8,764	2,008	41,627	15,378	45,058,352	351,324,498	485,021,994
Textile and textile Products	1,885	365,721,591	6,517	3,234	41,156	62,817	84,366,324	223,730,616	415,402,464
Wood and Paper Products	7,290	1,158,651,534	15,351	4,601	126,820	11,233	138,882,808	293,159,913	682,549,865
Iron and Steel Products	1,159	702,931,186	11,488	3,314	101,159	3,238	138,012,821	309,618,074	609,632,999
Non-ferrous metal Products	406	253,367,370	5,003	1,749	24,692	4,124	34,749,216	98,746,019	227,966,927
Non-metallic mineral Products	1,178	298,693,122	2,996	654	24,251	749	30,152,814	93,683,873	206,062,141
Chemicals and chemical Products	572	148,939,920	3,294	1,217	8,826	2,793	11,710,737	74,163,334	146,975,37
Miscellaneous Industries	453	119,602,877	2,407	642	14,342	1,960	18,650,099	35,090,248	85,530,97
Central Electric Stations	1,049	956,919,603	5,003	1,211	9,641	-	13,628,262	31,365,636	143,692,455
TOTAL	23,379	4,780,296,049	69,858	21,385	441,189	125,591	580,428,493	1,950,804,339	3,769,850,364
1927									
Vegetable Products	4,793	494,176,054	8,456	2,446	46,169	21,229	60,629,565	429,325,105	712,700,080
Animal Products	4,692	233,113,872	9,090	1,930	41,543	15,818	44,493,899	325,455,482	457,716,038
Textiles and textile Products	1,802	346,512,165	5,954	2,857	38,869	59,839	78,623,186	198,870,157	382,007,457
Wood and Paper Products	6,811	1,023,301,749	14,252	4,193	121,657	10,448	130,735,009	271,780,232	629,567,156
Iron and Steel Products	1,148	630,914,893	10,608	3,008	89,629	3,048	115,529,115	261,102,679	525,921,839
Non-ferrous metal Products	401	208,957,166	4,676	1,570	23,262	3,935	32,569,883	87,612,666	200,369,961
Non-metallic mineral Products	1,184	280,033,057	2,971	716	21,977	998	27,143,333	86,312,529	175,746,065
Chemicals and chemical Products	561	134,618,839	2,788	1,054	8,096	2,621	10,864,857	63,630,588	127,404,672
Miscellaneous Industries	447	111,178,478	2,298	607	13,733	1,880	17,816,898	34,699,896	79,166,705
Central Electric Stations	1,097	866,825,285	4,793	1,216	8,699	-	13,177,505	30,785,270	134,818,567
TOTAL	22,936	4,337,631,558	65,886	19,597	413,634	119,816	531,583,250	1,789,574,604	3,425,498,540





# CONSUMPTION OF MANUFACTURED PRODUCTS, 1928.

The consumption of manufactured products is made possible by the placing of the classification of external trade and production on a common basis. Table 6 gives the value of goods manufactured in Canada (Col. 1) which added to the value imported for consumption (Col. 2) less the exports of manufactured and partly manufactured goods (Col. 3) leaves the value of manufactured products available for consumption (Col. 4). In 1928 Iron and Steel products were first in value of goods made available for consumption with Vegetable products and textiles in second and third position. The total for all groups available for consumption amounted to \$4,022,000,585 in 1928 as compared with \$3,605,668,962 in 1927, where several processes are performed upon a commodity before it is ready for ultimate use.

Table 6.- Consumption of Manufactured Products in Canada, for the calendar year 1928.

	Value of Manufactured Goods	Manufactured and Partly Manufactured Goods		Value of Products Available for Consumption
		Imports	Exports	
Vegetable Products	\$ 756,995,585	\$ 137,943,685	\$ 154,054,047	\$ 740,885,223
Animal Products	485,021,994	37,263,368	77,556,899	444,728,463
Textile Products	415,402,464	158,707,822	8,615,447	565,494,839
Wood and Paper Products	682,549,865	57,463,697	265,590,713	474,422,849
Iron and Its Products	609,632,999	342,224,541	86,520,116	865,337,424
Non-Ferrous Metal Products	237,966,927	69,452,287	80,509,143	226,910,071
Non-Metallic Mineral Products	206,082,141	65,924,612	8,016,304	263,990,449
Chemical and Allied Products	146,975,837	37,723,046	19,822,869	164,876,014
Miscellaneous Industries	85,530,097	68,411,117	18,417,701	135,523,513
Central Electric Stations	143,692,455	80,467	3,938,182	139,834,740
TOTAL	3,769,850,364	975,194,642	723,041,421	4,022,003,585

Note:- Value of manufactured goods are for the calendar year 1928. Imports and exports of manufactured and partly manufactured goods are for the fiscal year ended March 31, 1929.





The statistics of the forty leading industries of the Dominion are presented in Table 7. The pulp and paper industry now leads all others by the considerable margin of \$37,379,112, followed in order by the flourmilling and meatpacking industries. These forty industries employ 82.36 per cent of all capital used in the manufacturing industries of the Dominion and produce 80. per cent of the gross value of all goods made.

TABLE 7.- PRINCIPAL STATISTICS OF THE FORTY LEADING INDUSTRIES OF CANADA, 1928.

	Estab-lish-ments	Capital	Employees on Salaries		Employees on Wages		Cost of Materials	Gross Value of Products
			Male	Female	Male	Female		
1. Pulp and Paper	110	685,687,459	2,962	545	29,253	854	38,608,977	233,077,236
2. Flour and grist mill products	1,319	63,514,575	910	211	5,292	143	5,449,397	195,698,124
3. Slaughtering and meat packing	75	66,198,507	2,200	477	7,787	780	9,344,161	174,096,419
4. Automobiles	14	97,056,328	1,740	696	14,075	238	24,292,217	162,867,495
5. Central electric stations	1,049	956,919,603	5,003	1,211	9,641	-	13,628,262	143,692,455
6. Sawmills	2,967	175,729,448	1,665	233	42,888	76	30,704,481	139,424,754
7. Butter and cheese	2,804	45,129,830	3,519	594	(1)7,077	221	7,241,506	130,212,308
8. Rubber goods, including footwear	45	70,459,066	1,649	496	10,769	4,181	15,340,977	97,208,713
9. Non-ferrous metal smelting	10	120,035,742	612	73	6,804	2,958	14,958,670	94,341,702
10. Electrical apparatus and supplies	137	87,952,674	3,125	1,218	10,892	2,958	10,593,158	93,672,452
11. Petroleum products	25	56,531,614	412	62	3,820	25	5,753,538	83,122,172
12. Castings and forgings	327	95,326,911	1,803	527	18,124	328	21,931,969	81,904,852
13. Cotton yarn and cloth	38	90,960,011	593	127	12,139	8,756	15,939,770	79,219,582
14. Railway rolling stock	35	89,053,842	1,391	92	20,891	43	29,231,648	73,422,057
15. Bread and other bakery products	2,482	44,377,449	659	322	12,495	1,946	15,382,643	71,227,097
16. Printing and publishing	753	60,822,600	4,561	1,647	8,421	1,484	13,834,976	67,879,806
17. Clothing, women's factory	444	25,557,610	1,083	748	3,961	10,559	13,059,243	63,326,501
18. Steel and rolled products, pig iron, ferro-alloys, etc.	40	114,292,363	522	92	8,419	24	13,928,109	62,071,674
19. Cigars and cigarettes	79	37,243,547	1,051	296	1,966	3,331	3,667,441	61,077,732
20. Breweries	78	67,148,686	835	118	4,014	36	4,785,574	60,910,398
21. Biscuits, confectionery, chocolate, chewing gum, etc.	283	52,353,082	1,810	697	4,554	6,213	7,962,817	60,404,223
22. Hosiery, knit goods and gloves	165	60,399,926	756	455	5,165	11,598	12,478,792	58,551,758
23. Planing mills, sash and door factories	788	53,431,576	1,099	248	10,674	110	10,858,123	52,700,315
24. Sugar refineries	8	48,625,818	239	60	1,979	103	2,748,117	52,085,155
25. Machinery	161	69,404,536	1,719	542	8,328	266	10,527,756	51,046,140
26. Boots and shoes, leather	199	31,433,028	1,002	368	8,563	5,572	12,269,442	50,018,802
27. Sheet metal products	145	45,346,299	939	309	6,668	816	8,298,451	49,846,671
28. Clothing, men's factory	218	27,263,996	1,039	405	4,729	5,706	10,342,342	48,477,178
29. Acids, alkalis, salts and compressed gases	41	44,250,661	498	105	2,330	10	2,981,027	42,336,846
30. Furniture and upholstering	366	39,829,474	862	346	10,810	521	11,081,733	41,825,534



TABLE 7.- PRINCIPAL STATISTICS OF THE FORTY LEADING INDUSTRIES OF CANADA, 1928. Con.

	No. of Estab- lish- ments No.	Capital \$	Employees on Salaries		Salaries \$	Employees on Wages		Cost of Materials \$	Value of Products \$
			Male			Female No.	Wages \$		
			No.	No.					
31. Agricultural implements and machinery	66	51,142,820	1,253	406	2,935,250	100	10,664,703	17,607,261	41,779,844
32. Printing and bookbinding	912	38,755,308	1,488	545	4,137,651	2,529	11,554,182	13,321,871	41,515,467
33. Distilleries	18	51,287,103	249	64	771,765	312	1,788,694	10,137,114	38,421,743
34. Fish curing and packing	713	26,941,283	577	53	853,800	5,751	4,477,296	20,576,767	56,267,732
35. Leather tanneries	91	31,259,692	240	52	796,768	99	3,690,060	26,252,779	55,124,609
36. Joke and gas products	45	92,145,190	653	230	1,304,554	7	4,304,245	17,166,246	35,718,447
37. Furnishing goods, men's	159	21,064,504	559	275	1,398,478	1,217	5,872,397	17,321,124	30,314,152
38. Brass and copper products	97	23,576,863	762	193	1,704,425	4,067	5,092,991	15,716,743	26,457,130
39. Paints and varnishes	68	24,256,008	774	224	2,076,138	1,645	1,891,157	14,489,934	27,868,046
40. Coffee, spices, etc.	61	14,599,825	435	137	1,247,041	671	1,044,002	21,257,199	27,201,492
Total forty leading industries	17,435	3,937,364,857	53,248	15,499	129,686,330	343,365	447,535,344	1,603,637,823	3,016,407,780
Total, all industries	23,379	4,780,296,049	69,858	21,385	174,770,879	441,189	580,428,493	1,950,804,339	3,769,850,364
Percentage of forty leading industries to all industries	74.57	82.36	76.22	72.47	74.20	77.83	77.10	82.20	80.00

(1) Includes "Salaried Employees" for the Province of Quebec.





Table 8 presents statistics of capital investment in the manufacturing industries of Canada by provinces and by industrial groups for the calendar year 1928. The increase in the total capital invested over 1927 amounted to \$442,664,491 made up of \$276,053,662 fixed capital and \$166,610,829 working capital. The average capital invested in each establishment advanced from \$149,294 in 1923 to \$159,564, in 1924 to \$170,538 in 1925, to \$175,338 in 1926, to \$189,119 in 1927 and to \$204,469 in 1928, or an increase per plant of \$10,270 or 6.9 per cent in the 1923-24 period, an increase of \$10,975 or 6.9 per cent in the 1924-25 period, an increase of \$4,800 in the 1925-26 period or 2.8 per cent, an increase of \$13,781 in the 1926-27 period or 7.86 per cent and an increase of \$15,350 in the 1927-28 period or 8.12 per cent. The increase in capital is indicative of continued improvement in manufacturing conditions throughout the Dominion.

Table 8.- Distribution of Capital by Provinces and Groups of Industries, 1928.

Provinces and Groups	Number of Establishments	Land, buildings fixtures, machinery and tools	Materials on hand, Stocks in process, finished products, etc.	Cash trading and operating accounts and bills receivable	Total Capital
<b>PROVINCES</b>					
Prince Edward Island	277	2,190,250	503,978	427,340	3,121,568
Nova Scotia	1,167	99,004,155	18,508,073	21,297,103	138,809,331
New Brunswick	794	74,272,694	21,201,866	19,186,326	114,660,886
Quebec	7,231	1,089,987,730	262,407,699	230,955,455	1,583,350,884
Ontario	9,900	1,413,704,065	430,188,189	432,028,802	2,275,921,056
Manitoba	871	112,289,985	25,229,009	22,202,130	159,721,124
Saskatchewan	737	29,965,089	8,894,731	5,762,315	44,622,135
Alberta	738	63,971,445	16,527,881	11,691,150	92,190,476
British Columbia and Yukon	1,624	257,034,448	53,518,993	57,345,148	367,898,589
<b>T O T A L</b>	<b>23,379</b>	<b>3,142,419,861</b>	<b>836,980,419</b>	<b>800,895,769</b>	<b>4,780,296,049</b>
<b>GROUPS</b>					
Vegetable Products	4,845	287,696,962	139,177,003	105,044,760	531,918,725
Animal Products	4,542	119,286,669	74,215,651	50,047,801	243,550,121
Textiles and textile products	1,885	181,875,194	98,425,504	85,420,893	365,721,591
Wood and paper products	7,290	777,940,694	202,473,962	178,236,878	1,158,651,534
Iron and its products	1,159	379,937,969	155,343,328	167,649,889	702,931,186
Non-ferrous metal products	406	131,348,234	56,568,854	65,450,262	253,367,370
Non-metallic mineral products	1,178	215,035,996	46,659,899	36,997,227	298,693,122
Chemicals and allied products	572	85,784,820	29,820,374	33,334,726	148,939,920
Miscellaneous Industries	453	61,942,805	23,723,270	33,936,002	119,602,877
Central Electric Stations	1,049	901,570,518	10,572,574	44,776,511	956,919,603





The number of persons employed in the manufacturing industries of Canada in 1928 exclusive of outside piece-workers was 658,023 as compared with 618,933 in 1927, 581,539 in 1926, 544,225 in 1925, 508,503 in 1924, 525,267 in 1923, 462,573 in 1922 and 439,889 in 1921. Of those employed in 1928 the number on salaries totalled 91,243 of which 69,858 were males and 21,385 females, whilst those employed on wages numbered 566,780 of whom 441,189 were males and 125,591 females. The figures relating to wage-earners are averages for the year and are ascertained by dividing the total number employed by months during the year by twelve.

The average number of employees per establishment which had risen from 21 in 1922 to 23.2 in 1923 fell in 1924 to 22.9 but rose again in 1925 to 24.4, in 1926 to 25.6, in 1927 to 27 and to 28.1 in 1928, whilst the average payment in salaries and wages per establishment rose from \$22,645 in 1922 to \$25,240 in 1923, to \$25,245 in 1924, to \$26,690 in 1925, to \$28,815 in 1926, to \$30,255 in 1927 and to \$32,302 in 1928. The average salary per employee advanced from \$1,791.28 in 1922 to \$1,823.60 in 1923, to \$1,831.49 in 1924, to \$1,843 in 1925, to \$1,867 in 1926, to \$1,899.20 in 1927 and to \$1,915.45 in 1928, whilst the average wage per employee rose from \$939.31 in 1922 to \$959.14 in 1923 and to \$972.23 in 1924 but fell to \$971 in 1925, rose again to \$1,003 in 1926, but fell in 1927 to \$996.50 and rose again in 1928 to \$1,024.08. The total amount paid for services in 1928 was \$755,199,372 of which \$174,770,879 represented salaries and \$580,428,493 represented wages.

Pieceworkers employed outside the establishment in 1928 totalled 3,021 of whom 403 were males and 2,618 were females, whilst the total payments to such out-workers amounted to \$456,766. In Table 9 below the statistics of employment are shown by provinces and by groups of industries. The province of Ontario furnished 48.7 per cent of the number employed and paid 51.8 per cent of the total cost of salaries and wages. Quebec is second with 31.1 per cent of the number employed and 28 per cent of the cost of salaries and wages. Of the industrial groups, wood and paper furnished employment to the highest number having 24 per cent of the total, followed in order by the iron and steel group with 18.1 per cent and the textile group with 17.3 per cent.

Table 9.- Employees, Salaries and Wages, 1928.

(a) Provinces	Employees on Salaries		Salaries		Employees on Wages		Wages	
	Male	Female	Total	Average	Male	Female	Total	Average
	No.	No.	\$	\$	No.	No.	\$	\$
Prince Edward Island	151	31	183,976	1,010.86	1,121	732	528,969	285.47
Nova Scotia	1,383	395	2,850,760	1,603.35	14,008	3,436	12,987,634	744.53
New Brunswick	1,313	375	3,130,601	1,854.62	12,656	3,619	11,551,909	709.79
Quebec	20,109	5,137	49,485,152	1,960.12	131,279	48,434	168,402,329	937.06
Ontario	36,204	12,958	94,376,781	1,919.71	213,754	57,813	296,999,166	1,093.65
Manitoba	3,169	829	7,545,721	1,887.38	17,540	3,628	25,023,502	1,162.14
Saskatchewan	1,269	236	2,589,414	1,720.54	4,201	467	5,414,163	1,159.85
Alberta	1,810	458	4,020,520	1,755.08	8,915	1,644	11,382,772	1,078.01
British Columbia and Yukon	4,450	966	10,587,954	1,954.94	37,715	5,818	48,138,049	1,105.78
CANADA, TOTALS	69,858	21,385	174,770,879	1,915.45	441,189	125,591	580,428,493	1,024.08





Table 10.- EMPLOYEES, SALARIES AND WAGES, 1928 - Cont'd.

(b) Groups of Industries	Employees on Salaries		Total Salaries \$	Employees on Wages		Total Wages \$
	Male	Female		Male	Female	
	No.	No.		No.	No.	
Vegetable products	9,035	2,755	22,902,282	48,675	23,299	65,217,060
Animal products	8,764	2,008	16,892,279	41,627	15,378	45,058,352
Textiles and textile products	6,517	3,234	19,085,001	41,156	62,817	84,366,324
Wood and paper products	15,351	4,601	40,361,890	126,820	11,233	138,882,808
Iron and its products	11,488	3,314	30,307,217	101,159	3,238	138,012,821
Non-ferrous metal products	5,003	1,749	12,748,626	24,692	4,124	34,749,216
Non-metallic mineral products	2,996	654	6,983,637	24,251	749	30,152,814
Chemicals and allied products	3,294	1,217	8,577,680	8,826	2,793	11,710,737
Miscellaneous industries	2,407	642	6,451,109	14,342	1,960	18,650,099
Central Electric Stations	5,003	1,211	10,459,158	9,641	-	13,620,262
TOTAL	69,858	21,385	174,770,879	441,189	125,591	580,428,493

Another view of the trend of employment is afforded by comparing the index numbers of employment in the manufacturing groups of industries for the calendar years 1922, 1923, 1924, 1925, 1926, 1927 and 1928 as presented in Table 11.

Table 11.- Index Numbers of Employment in the Manufacturing Groups of Industries by Months for the calendar years 1922, 1923, 1924, 1925, 1926, 1927 and 1928.

Months	1922	1923	1924	1925	1926	1927	1928
January	74.4	84.5	86.7	81.7	90.0	94.7	97.9
February	79.0	92.0	91.9	85.8	93.0	98.2	102.3
March	84.5	94.7	93.1	88.6	94.9	99.8	104.7
April	84.4	92.6	93.6	91.2	96.6	101.5	106.6
May	85.5	97.9	94.9	93.7	98.8	103.9	109.0
June	91.1	101.2	95.7	95.6	101.6	106.9	112.6
July	91.1	101.3	94.9	96.4	103.1	106.8	113.1
August	92.9	101.2	93.3	95.8	103.6	107.0	115.2
September	93.6	100.7	91.5	96.8	104.8	106.8	117.9
October	93.8	99.4	92.7	98.8	104.6	106.4	117.7
November	94.9	92.7	91.3	96.5	102.7	104.9	117.1
December	94.9	95.5	88.7	95.3	101.5	104.3	112.7





Table 12.- WAGE-EARNERS BY MONTHS FOR SELECTED INDUSTRIES OF CANADA, 1927 and 1928.

Industry	Year	Average Number of Employees during the year	January	February	March	April	May	June	July	August	September	October	November	December
Flour and grist mill products	1927	5,259	5,088	5,031	4,964	4,849	4,817	4,733	4,694	4,760	5,129	5,450	5,620	5,501
	1928	5,435	5,306	5,262	5,242	5,057	5,073	4,906	4,853	5,071	5,327	5,636	5,700	5,595
	1927	8,195	8,094	7,764	7,613	7,607	7,700	7,848	8,116	8,316	8,482	8,781	9,200	8,818
	1928	8,567	8,183	8,065	7,979	7,979	8,054	8,491	8,666	8,801	8,718	8,666	9,033	8,795
	1927	20,754	20,129	21,397	21,451	20,513	20,589	20,691	20,040	19,873	19,126	20,883	21,289	21,528
Steel and rolled products, pig iron, ferro-alloys, etc.	1928	20,895	20,892	20,954	20,460	20,241	20,517	20,309	20,077	20,445	20,558	21,228	21,775	21,950
	1927	6,867	6,322	6,577	7,596	7,642	7,494	7,136	6,576	6,894	6,205	6,174	6,436	6,420
Leather, tanned, curried and finished	1928	8,443	7,228	7,903	8,247	8,635	8,715	8,596	8,272	8,072	8,130	8,735	9,361	9,376
	1927	3,832	3,740	3,750	3,763	3,693	3,635	3,583	4,616	3,692	3,769	3,860	3,906	3,976
Rubber goods (including footwear)	1928	3,660	3,888	3,898	3,878	3,720	3,660	3,550	3,507	3,516	3,532	3,582	3,481	3,374
	1927	13,165	12,038	12,216	12,434	12,886	13,088	13,284	13,388	13,427	13,494	13,655	13,572	13,460
Pulp and Paper	1928	14,950	12,948	13,067	13,203	13,534	14,030	14,291	17,711	15,712	16,135	16,589	16,727	16,350
	1927	29,008	27,924	28,272	28,500	28,375	29,264	30,616	30,507	30,168	29,983	28,927	28,147	27,410
Petroleum Products	1928	30,107	27,660	28,838	28,518	28,724	29,937	30,776	31,324	31,119	30,618	30,455	30,205	28,537
	1927	3,331	3,068	3,148	3,351	3,376	3,439	3,551	3,555	3,383	3,284	3,321	3,261	3,234
Glass	1928	3,845	3,438	3,650	3,755	3,833	3,764	3,765	3,682	4,023	4,135	4,066	4,022	3,706
	1927	2,833	2,946	2,990	2,994	2,614	2,747	2,949	2,975	2,637	2,577	2,792	2,842	2,633
Non-Ferrous Metal Smelting	1928	2,932	2,754	2,858	2,764	2,758	2,908	2,934	2,889	2,966	2,965	3,013	3,174	3,132
	1927	6,835	7,487	7,312	6,921	6,699	6,668	6,875	6,586	6,669	6,783	6,665	6,614	6,737
Furniture and upholstering	1928	6,841	6,217	6,318	6,681	6,507	6,834	7,010	6,903	6,923	6,958	6,884	6,883	6,042
	1927	9,961	9,389	9,712	9,897	9,871	9,864	9,834	9,736	9,825	10,091	10,328	10,423	10,461
Musical Instruments and materials	1928	11,331	10,536	10,781	10,930	11,080	11,097	11,254	11,116	11,180	11,488	11,835	11,949	11,957
	1927	2,852	2,767	2,738	2,677	2,761	2,700	2,703	2,701	2,845	3,047	3,081	3,148	3,051
Automobiles	1928	2,641	2,513	2,557	2,411	2,402	2,395	2,406	2,487	2,609	2,778	3,005	3,045	2,933
	1927	8,943	9,777	10,737	11,169	11,798	10,687	8,699	8,211	7,909	8,002	7,502	6,530	6,296
Hats and shoes, leather	1928	14,313	7,801	9,813	12,617	14,999	17,069	17,215	18,047	18,885	17,673	14,710	11,436	11,494
	1927	14,092	13,528	14,159	14,155	13,803	13,789	13,636	13,815	14,168	14,208	14,428	13,902	13,919
Single underscore indicates minimum months. Double underscore indicates maximum months.	1928	14,135	13,056	13,727	14,046	13,735	13,572	13,939	14,228	14,346	14,517	14,545	14,192	13,873

Single underscore indicates minimum months.

Double underscore indicates maximum months.





A classification of industries based on chief component material is presented in Table 13 for the nine main groups into which all industry has been divided. Each group is further divided into the industries which from their use of common raw materials fall into certain well defined classes. The principle of classification by chief component materials cannot, however, be applied to modern industry with absolute precision owing to the highly complex organization of present day industry.

The table presents the principal statistics of each industry within the groups in such manner that further explanation is unnecessary.

Table 13.- Classification of Industry by Chief Component Material, 1928.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees			Wage-Earners		Cost of Materials \$	Value of Products	
			Males		Salaries \$	Females	Wages \$		Gross \$	Net \$
			No.	No.						
CANADA										
Vegetable Products	23,379	4,780,296,049	69,858	21,385	174,770,879	441,189	125,591	1,950,804,339	3,769,850,364	1,819,013,025
Biscuits, confectionery cocoa and chocolate	4,845	531,918,725	9,035	2,755	22,902,282	48,675	23,299	439,922,128	756,995,585	317,073,457
Bread and other bakery products	283	52,353,082	1,810	697	4,571,812	4,554	6,213	28,480,230	60,404,223	31,923,993
Preweries	2,482	44,377,449	659	322	1,518,595	12,495	1,946	36,151,747	71,227,097	35,075,110
Cigars and cigarettes	78	67,148,686	835	118	2,295,187	4,014	3	20,737,486	60,910,398	40,172,112
Coffee and spices	79	37,243,547	1,051	296	2,530,477	1,966	3,331	18,469,843	61,077,732	42,607,139
Distilleries	61	14,599,825	435	137	1,247,041	671	425	21,257,199	27,201,292	5,944,933
Feed and grist mills	18	51,287,103	249	64	771,765	1,259	312	10,137,114	38,423,743	28,206,129
Flour mills	896	5,947,496	21	11	45,657	1,238	1	20,164,304	23,626,329	3,462,025
Fruit and vegetable canning, evaporating, etc.	423	57,567,079	889	200	2,111,620	4,054	142	144,868,517	172,071,795	27,203,278
Ice cream cones	216	27,920,624	375	124	805,551	2,396	4,555	15,144,100	24,890,429	9,746,329
Linseed oil and oil cake	10	582,128	8	2	24,859	60	30	136,291	517,434	381,143
Macaroni and vermicelli	8	2,394,331	32	5	90,267	197	1	5,514,568	6,281,055	766,487
Malt mills	11	1,250,832	49	14	89,120	130	106	902,958	1,476,171	573,213
Maple syrup and sugar	6	6,533,330	53	7	122,060	167	-	3,972,005	5,517,359	1,545,354
Miscellaneous food in- dustries	6	412,566	15	3	49,496	30	2	815,560	1,000,787	185,227
Miscellaneous vegetable products	56	9,650,907	191	76	509,960	513	287	5,766,863	11,677,086	5,910,223
Pickles, vinegar and cider	6	2,861,429	22	2	58,155	87	9	2,795,129	4,133,524	1,338,395
Rice Mills	62	8,047,231	142	51	338,797	649	533	5,054,480	10,423,293	5,368,813
Rubber footwear	5	1,331,679	22	3	67,076	46	-	1,458,184	1,711,915	253,731
Rubber tires and other rubber goods	11	16,236,188	663	218	1,267,862	4,246	2,892	9,935,647	30,747,212	20,811,565
	34	54,222,878	986	278	2,334,851	6,523	1,289	35,182,923	66,461,501	31,278,570





Table 13.- Classification of Industries by Chief Component Material, 1928 - Cont'd.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees		Wage-Earners		Cost of Materials \$	Value of Products		
			Males		Females			Gross \$	Net \$	
			No.	No.	No.	No.				
1. Vegetable Products - Cont'd.										
Starch and Glucose	6	5,446,548	39	19	156,509	420	17	3,778,927	5,455,035	1,676,108
Sugar refineries	8	48,625,818	239	60	922,969	1,979	103	40,551,874	52,085,155	11,533,281
Syrups	6	180,004	5	6	14,394	15	14	154,689	250,850	96,161
Tobacco, chewing, smoking and snuff	36	9,992,397	192	31	814,481	762	1,035	6,284,824	15,749,625	9,464,801
Wines and grape juice	38	5,705,568	53	11	143,681	204	20	2,206,666	3,674,545	1,467,879
2. Animal Products	4,542	243,550,121	8,764	2,008	16,892,279	41,627	15,378	351,324,498	485,021,994	133,697,496
Animal hair goods	6	697,180	17	4	50,055	67	23	255,359	647,578	392,219
Animal oils and fats	6	850,226	6	5	27,226	104	4	335,088	602,278	267,190
Belting leather	10	1,847,919	60	16	155,274	183	1	1,087,247	1,639,842	552,395
Boot and shoe findings	14	1,457,276	33	5	93,681	246	84	675,855	1,408,157	732,302
Boots and shoes, leather	199	31,433,028	1,002	368	2,713,166	8,563	5,572	26,383,043	50,018,802	23,635,159
Butter and cheese	2,804	45,129,830	3,519	594	4,514,041	7,077	221	99,202,776	130,212,308	31,009,532
Condensed milk	29	8,422,489	127	48	324,346	619	52	10,363,900	14,161,306	3,774,406
Fish curing and packing	713	26,941,283	577	53	853,800	9,053	5,751	20,578,767	36,267,732	15,668,165
Fur dressing and dyeing	12	1,744,997	65	10	176,103	634	97	260,185	2,521,294	2,261,109
Fur goods	225	13,189,290	383	185	1,081,976	1,206	1,230	13,860,832	20,756,071	6,889,239
Gloves and mittens, leather	49	3,845,708	151	66	349,632	625	879	3,150,901	5,368,956	2,218,155
Harness and saddlery	214	5,304,020	178	45	338,695	815	83	2,842,219	4,694,296	2,052,179
Human hair goods	4	47,211	1	1	2,656	6	7	14,016	38,237	23,746
Leather goods, n.e.s.	40	1,493,793	86	41	216,975	297	368	1,139,974	2,554,617	1,414,643
Leather, tanned, etc.	91	31,259,692	240	52	796,768	3,561	99	26,253,779	35,202,060	6,948,301
Sausages and sausage casings	32	1,220,595	50	14	107,531	186	19	1,339,790	2,094,924	755,134
Slaughtering and meat packing	75	66,198,507	2,200	477	4,898,201	7,787	780	142,396,342	1,096,419	31,700,077
Trunks, bags, etc.	19	2,467,077	69	24	190,153	598	108	1,154,950	2,537,095	1,382,145
Textile Products										
Awnings, tents and sails	1,885	365,721,591	6,517	3,234	19,085,001	41,156	62,817	223,730,616	415,402,464	191,671,848
Bags, cotton and jute	58	2,069,798	80	30	180,977	237	213	1,509,610	2,634,715	1,123,105
Batting	19	6,684,706	86	32	291,619	299	648	12,454,239	14,283,396	1,789,157
Carpets, mats and rugs	8	2,822,676	49	25	194,099	128	109	1,734,355	3,197,649	1,463,314
Clothing, men's factory	22	6,072,610	174	42	442,277	559	362	2,370,903	5,009,240	2,638,337
Clothing, women's factory	218	27,263,996	1,039	405	2,743,206	4,729	5,706	24,567,328	48,477,178	23,909,650
Cordage, rope and twine	444	25,557,610	1,083	748	3,626,651	3,961	10,559	36,233,645	63,326,501	27,092,656
Crsets	14	12,173,549	87	20	276,109	826	397	7,624,155	10,639,961	3,219,806
	16	4,917,408	170	176	431,004	72	1,000	2,055,416	4,245,946	2,191,132







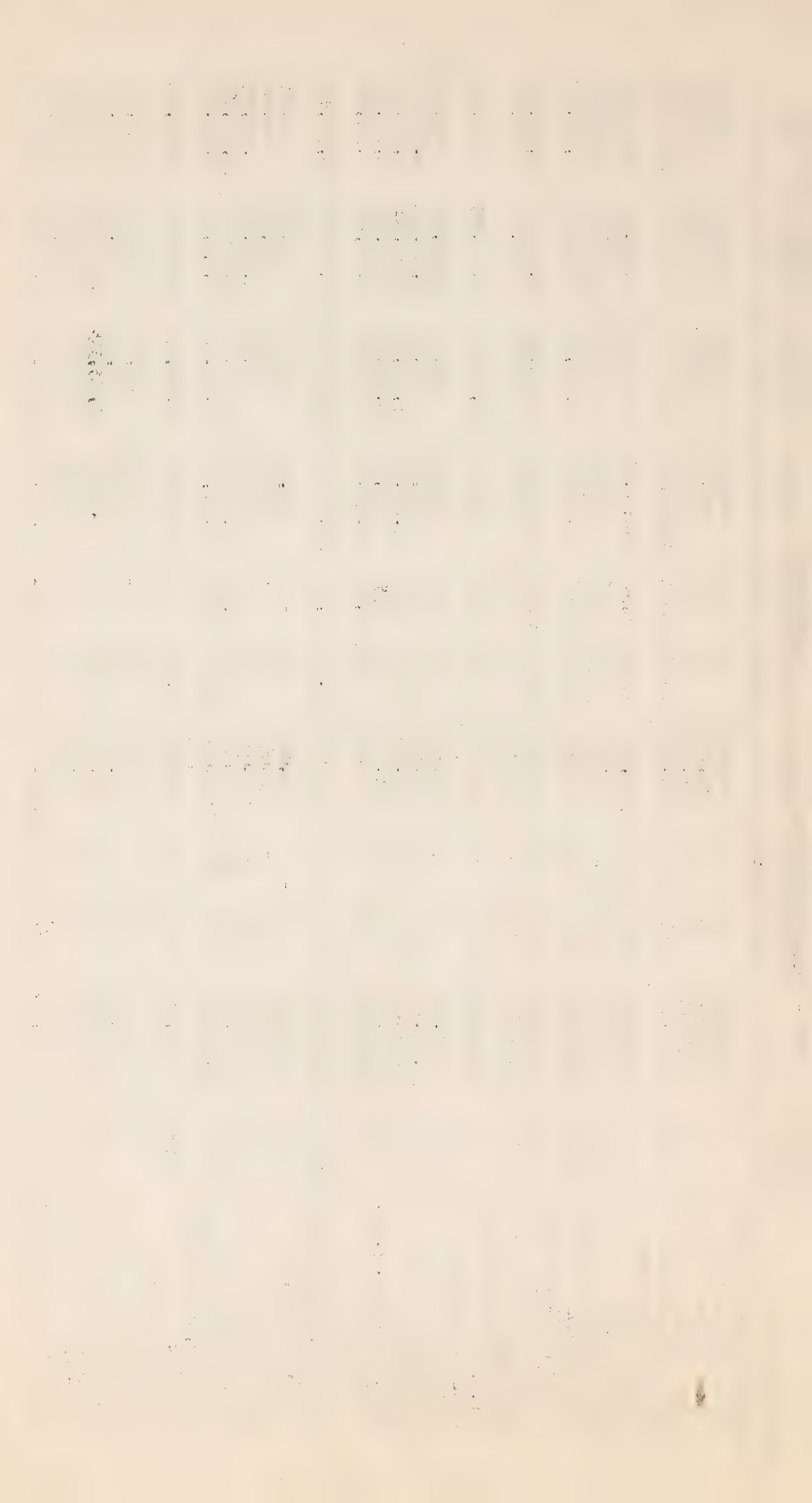




Table 13.- Classification of Industry by Chief Component Material, 1928. - Cont'd.

Name of Industry	Estab-lish-ments No.	Capital \$	Salaried Employees		Wage-Earners		Cost of Materials \$	Value of Products	
			Males No.	Females No.	Salaries \$	Males No.	Females No.	Gross \$	Net \$
4. Wood and Paper Products-Cont'd.									
Lasts, trees and pegs	15	1,340,889	82	15	112,776	347	123	1,266,330	971,455
Lithographing and engraving	119	19,975,562	725	349	2,453,060	3,029	1,267	19,207,658	13,349,165
Miscellaneous wood products	154	4,943,456	91	33	241,089	1,012	62	3,775,836	2,309,004
Paper goods, n.e.s.	36	6,148,032	144	96	483,453	619	202	7,715,225	3,672,255
Planing mills, sash and door factories, etc.	788	53,431,576	1,099	248	2,472,706	10,674	110	52,700,315	22,678,427
Printing and bookbinding	912	38,755,308	1,488	545	4,137,651	7,232	2,529	41,018,466	27,696,645
Printing and publishing	753	60,822,600	4,561	1,647	10,408,930	8,421	1,484	67,879,806	52,183,047
Pulp and paper	110	685,687,459	2,962	545	8,713,671	29,253	854	233,077,236	144,586,815
Roofing paper, wallboard, etc.	10	4,484,897	99	29	356,723	294	7	5,844,387	2,884,924
Saw mills	2,967	175,729,448	1,665	233	4,017,039	42,888	76	139,424,754	58,972,953
Sporting goods	22	1,843,501	46	24	94,458	317	109	1,997,023	1,118,494
Stationery and envelopes	31	4,825,518	219	90	595,609	375	689	6,660,876	2,700,326
Stereotyping and electro-typing	27	1,246,088	71	21	178,406	258	6	1,179,296	1,047,253
Woodenware	12	844,207	22	7	96,247	419	24	1,067,476	614,484
Wood-turning	30	1,568,202	36	15	89,784	487	60	1,260,437	817,240
All other industries	12	9,020,363	139	42	552,071	936	110	6,450,676	2,818,212
5. Iron and its Products	1,159	702,931,186	11,488	3,314	30,307,217	101,159	3,238	609,632,999	300,014,925
Agricultural implements	66	91,142,820	1,253	406	2,935,250	9,108	100	41,199,841	23,591,980
Automobiles	14	97,056,328	1,740	696	5,255,897	14,075	238	162,867,495	47,975,305
Automobile supplies	77	16,343,956	306	103	891,163	2,835	265	17,007,157	8,648,753
Bicycles and motorcycles	3	2,828,642	125	39	233,020	354	35	2,213,493	1,194,072
Boilers, tanks and engines	35	9,352,068	263	55	655,756	1,432	2	6,507,437	3,278,940
Castings and forgings	327	95,326,911	1,803	527	4,827,047	18,124	328	81,904,852	50,374,704
Hardware and tools	125	34,076,384	576	234	1,777,409	5,046	875	25,131,821	16,542,160
Iron and steel products, n.e.s.	70	14,145,791	547	112	1,339,350	3,072	25	17,567,015	9,644,134
Machinery	161	69,404,536	1,719	542	4,410,340	8,328	266	51,046,140	32,069,614
Railway rolling stock	35	89,053,842	1,391	92	3,221,133	20,891	43	73,422,057	35,312,004
Sheet metal products	145	45,346,299	939	309	2,338,525	6,668	816	49,846,671	25,185,693
Steel and rolled products, pig iron, ferro-alloys, etc.	40	114,292,363	522	92	1,542,727	8,419	24	62,071,674	34,907,211
Wire and wire goods	61	24,561,246	304	107	879,600	2,807	221	18,847,346	11,290,355





Name of Industry	Establishments No.	Capital \$		Salaried Employees		Wage-Earners		Cost of Materials \$	Value of Products	
		Males No.	Females No.	Salaries \$	Males No.	Females No.	Wages \$		Gross \$	Net \$
5. Non-Ferrous Metal Products	406	253,367,370								
Aluminum products	14	5,094,213						98,746,019	237,966,927	139,220,908
Brass and copper products	97	23,576,863						1,865,328	3,192,696	1,327,368
Electrical apparatus and supplies	137	87,952,674						15,716,748	28,457,430	12,740,682
Lead, tin and zinc products	25	4,673,882						38,784,421	93,672,452	54,868,031
Miscellaneous non-ferrous metal products	17	943,914						4,105,167	5,493,360	1,368,193
Non-ferrous smelting and refining	10	120,035,742						504,337	1,106,639	802,252
Precious metal products	106	11,090,082						33,260,225	94,341,702	61,081,477
Non-metallic Mineral Products	1,178	208,693,122						4,709,743	11,702,648	6,992,905
Abrasive products	12	7,317,105						93,683,873	206,082,141	112,398,268
Aerated and mineral waters	347	11,650,938						2,169,428	7,122,588	4,953,60
Asbestos and allied products	14	3,064,164						4,705,656	10,677,831	5,972,175
Cement	11	47,678,841						925,661	2,050,432	1,124,471
Cement products	151	4,140,543						1,261,653	16,739,163	16,739,163
Clay products, domestic	186	32,473,203						-	4,136,955	2,815,028
Clay products from imported clays	14	3,068,562						-	12,381,718	12,381,718
Coke and gas products	45	92,145,190						708,571	2,458,801	1,750,230
Glass product;	59	12,964,882						17,164,246	34,708,447	17,544,201
Lime	54	6,952,079						4,791,486	13,565,354	8,773,868
Miscellaneous non-metallic products	17	8,331,500						-	4,534,568	4,534,568
Petroleum products	25	56,531,614						1,790,404	4,799,640	3,009,236
Salt	10	4,422,922						57,383,841	83,122,172	25,738,331
Sand-lime brick	11	1,916,060						-	1,495,971	1,495,971
Stone, ornamental and monumental	222	6,305,519						322,027	1,112,466	790,439
Chemicals and Allied Products	572	148,939,920						2,460,900	7,176,035	4,715,135
Acids, alkalis, salts and compressed gases	41	44,250,661						74,163,334	146,975,837	72,612,503
								23,404,991	42,336,846	18,931,855





Table 13.- Classification of Industry by Chief Component Materials, 1928. - Cont'd.

Name of Industry	Estab-lishments No.	Capital \$	Salaried Employees Males Females	Wage-Earners Males Females	Cost of Materials	Value of Products Gross Net
8. Chemicals and Allied Products - Cont'd.						
Coal tar and its products	19	4,924,681	47	13	132,291	4,405,907
Explosives, ammunition fireworks and matches	14	19,361,448	150	15	320,306	1,671,084
Fertilizers	12	2,131,905	28	14	79,445	13,521,720
Inks, dyes and colours	28	3,052,322	116	37	464,018	2,189,986
Medicinal & pharmaceutical prep.	140	17,427,506	584	350	1,783,162	3,334,168
Miscellaneous chemical industries	128	10,726,946	476	226	1,233,226	17,224,351
Paints, pigments and varnishes	68	24,256,008	774	224	2,076,138	12,832,787
Soaps, washing compounds and toilet preparations	115	20,923,508	607	233	1,304,021	27,868,046
Wood distillates and extracts	7	1,884,935	14	-	24,798	11,684,391
9. Miscellaneous industries						
Advertising and other novelties	453	119,602,877	2,407	642	6,451,109	21,617,017
Artificial feathers and flowers	10	273,273	8	4	22,101	826,477
Bridge building	7	263,355	14	18	39,305	35,090,248
Brooms, brushes and mops	10	24,485,779	724	96	2,028,291	105,757
Buttons	76	4,363,107	186	71	472,737	141,228
Candles and tapers	13	1,468,361	48	17	141,940	11,208,257
Fountain pens	11	534,769	14	3	27,298	1,952,794
Ice, artificial	4	1,390,372	38	17	99,717	263,480
Jewel cases & silverware cabinets	29	4,979,236	30	94	75,898	217,742
Mattresses and springs	6	223,136	13	4	28,182	698,400
Motion pictures	63	8,155,255	200	12	632,298	59,313
Musical instruments and materials	7	662,628	36	36	49,111	81,751
Refrigerators	42	14,050,702	242	257	653,075	5,462,009
Regalia & society emblems	11	1,343,842	25	25	81,411	10,411,330
Scientific & professional equipment	11	222,333	11	203	2,438	843,042
Shipbuilding and repairs	21	16,979,027	119	3	36,625	12,282,589
Stamps and stencils	42	37,072,996	533	44	410,049	585,378
Statuary, art goods & church supplies	31	619,888	61	261	1,239,541	96,904
Store and display fixtures	30	747,043	37	12	120,184	245,071
Toys and games	3	244,773	8	8	84,597	6,901,198
Typewriter supplies	10	232,418	9	194	22,339	4,001,724
Umbrellas and parasols	4	592,887	26	8	390,090	661,350
All other industries	9	548,984	21	46	143,380	1,305,059
10. Central Electric Stations	3	148,713	4	18	93,270	305,480
	1,049	956,919,603	5,003	1,211	267,789	430,117
					123,015	216,576
					26,016	323,992
					477,124	329,320
					40,539	68,794
					31,365,636	112,326,819





# FUEL USED

The fuel used by Canadian industrial establishments in 1928 is presented in Table 14 by provinces and industrial groups. Coal and coke accounted for 72.5 per cent of the total value of fuel consumed and included 6,639,736 tons of bituminous coal valued at \$37,871,736. Oil for fuel comes next in order to bituminous coal, the value in 1928 amounting to \$7,300,552 as against an expenditure of \$7,220,529 in 1927. Of the total fuel used the province of Ontario expended therefore \$28,791,474 or nearly 48.15 per cent, Quebec being next with \$17,320,310 or 28.98 per cent, followed in order by British Columbia with 5.8 per cent and Nova Scotia with 4.98 per cent.

The groups of industries using fuel most extensively in 1928 were wood and paper to the value of \$14,428,373 or approximately 25 per cent, non-metallic mineral products being next with \$12,861,215 or 21.5 per cent, iron and its products next with \$10,647,270 or 17.8 per cent followed by vegetable products with \$6,793,577 or 11.4 per cent.

Table 14.- Fuel Consumption by Provinces and Groups of Industries, 1928.

	Bituminous Coal		Anthracite Coal	Lignite Coal	Coke	Gasoline	Oil (Fuels)	Wood	Gas	All Other Fuel	Total Cost
	Quantity Tons	Value \$									
Prince Edward Island	12,898	77,017	469	-	3,382	2,277	15,960	11,397	-	315	110,817
Nova Scotia	323,429	1,625,179	19,911	2,226	78,731	15,720	557,010	63,779	574,779	37,606	2,974,941
New Brunswick	263,701	1,390,493	16,419	1,155	26,590	8,194	66,181	172,784	17,127	1,798	1,700,741
Quebec	2,032,340	12,322,547	1,088,796	148,276	260,345	85,618	2,037,177	547,082	506,113	324,356	17,320,310
Ontario	3,354,934	18,947,358	842,999	49,083	1,229,808	183,862	2,648,947	983,603	3,605,246	300,568	28,791,474
Manitoba	135,393	957,037	71,016	326,474	56,010	21,725	280,265	249,956	80,076	26,890	2,069,449
Saskatchewan	73,783	486,328	18,722	626,686	40,258	37,610	346,454	66,624	154,601	4,709	1,781,992
Alberta	152,192	522,008	2,065	411,066	37,935	24,136	106,085	34,451	400,972	5,805	1,544,523
British Columbia and Yukon	291,066	1,543,769	10,592	7,486	86,288	69,474	1,242,473	309,428	95,891	101,619	3,467,020
TOTALS	6,639,736	37,871,736	2,070,989	1,572,452	1,819,347	448,616	7,300,552	2,439,104	5,434,805	803,666	59,761,267
Industrial Groups											
Vegetable products	714,217	3,828,829	408,242	244,792	376,539	97,095	694,021	490,263	610,977	42,819	6,793,577
Animal products	348,320	2,142,241	77,153	183,055	42,985	37,166	214,350	307,921	65,554	292,348	3,362,773
Textiles and textile products	481,309	3,057,773	194,644	63,299	48,395	47,018	88,131	47,994	86,193	51,325	3,684,772
Wood and paper products	1,948,105	11,529,818	931,448	32,859	20,858	114,898	831,927	720,901	153,119	92,545	14,428,373
Iron and steel products	1,072,154	5,472,360	233,802	150,435	507,323	49,922	2,000,966	65,704	2,017,061	169,697	10,647,270
Non-ferrous metal products	313,396	1,931,544	66,901	553	150,908	24,539	848,694	62,280	150,343	10,802	3,246,564
Non-metallic mineral products	1,231,626	6,991,152	81,028	123,232	572,268	20,768	2,103,678	645,931	2,255,258	67,900	12,061,215
Chemicals and chemical products	283,636	1,537,411	46,020	10,136	56,228	3,169	70,651	14,227	24,619	67,792	1,832,453
Other miscellaneous industries	60,878	407,497	23,830	6,427	30,335	17,822	88,348	8,747	35,180	1,875	623,665
Power and Electric Stations	186,095	973,111	7,521	777,664	13,504	36,219	355,756	75,156	32,301	4,763	2,280,405





The statistics of power equipment in the manufacturing industries of Canada are presented in Table 15. These comprise all of such industries operating during 1928 and include central electric stations which produce electric energy for driving the machinery of other industries and for lighting purposes. The equipment driven by electricity purchased from central electric stations is shown in column 5 and so as to show only net figures in column 8 for the total power equipment employed, the amount in column 5 marked # have been excluded from the totals in column 8. The total equipment for each of the groups of industries except central electric stations, includes the motors driven by such purchased power.

The net increase in all primary power equipment compared with that of 1927 was 558,664 h.p. Central electric stations increased their equipment by 468,504 h.p. and other industries reported an increase of only 90,150 h.p. Electric motors operated by power purchased from central electric stations increased by 214,442 h.p. The excess of the increase in central electric stations took care of the increased lighting load and power load for mines and electric railways which are not included in these industrial statistics. Steam engines and turbines increased by 14,376 h.p., or 1.39 per cent, internal combustion engines by 4,111 h.p. or 5.15 per cent and water wheels and turbins increased by 540,177 h.p. or 11.8 per cent. The increasing use of electricity in manufacturing industries is indicated by the capacity of electric motors used which increased during the year by 285,452 h.p. or 12.3 per cent.

Table 15.- Power Equipment of Manufacturing Industries of Canada, by Provinces and Groups of Industries, 1928.

(a) Provinces	Steam engines and Turbines		Internal Combustion Engines	Hydraulic Turbines or Water Wheels	Total Primary Power	Electric Motors		Total Electric Motors H.P.	Total Power Equipment for manufacturing purposes H.P.			
	H.P.	Col. 1	H.P.	Col. 2	H.P.	Col. 3	Col. 4			Col. 5	Col. 6	Col. 7
Prince Edward Island		4,01		909		1,858		6,781		355	793	6,781 1/2
Nova Scotia		113,523		3,769		62,658		179,950		40,404	68,382	179,950 1/2
New Brunswick		56,672		4,148		54,914		115,734		22,221	57,976	115,734 1/2
Quebec		205,163		7,329		2,326,154		2,538,646		112,185	1,054,848	2,538,646 1/2
Ontario		311,403		36,195		1,819,906		2,167,504		179,037	1,021,712	2,167,504 1/2
Manitoba		44,821		2,245		310,955		358,021		491	85,099	358,021 1/2
Saskatchewan		71,118		14,033		-		85,151		143	14,987	85,151 1/2
Alberta		91,323		5,585		33,537		130,445		5,052	33,809	130,445 1/2
British Columbia		155,270		9,651		492,802		657,723		97,677	259,088	657,723 1/2
TOTAL		1,053,307		83,864		5,102,784		6,239,955		457,565	2,596,694	6,239,955 1/2
Vegetable products		56,567		11,599		38,863		107,029		25,189	227,771	309,611
Animal products		25,937		5,373		1,634		32,944		3,222	74,444	104,166
Textiles and textile products		27,251		1,377		31,342		59,970		26,298	130,107	163,779
Wood and paper products		410,315		14,006		495,615		919,936		281,819	1,270,621	1,908,738
Iron and steel products		144,747		21,557		8,048		174,352		71,714	385,883	488,521
Non-ferrous metal products		19,570		276		68,960		88,806		29,590	235,426	294,642
Non-metallic mineral products		30,053		3,836		4,426		38,315		16,273	159,624	181,666
Chemicals and allied products		15,155		321		8,345		23,821		3,410	50,990	71,401
Miscellaneous industry products		7,401		461		20		7,882		-	61,828	69,660
Central Electric Stations		316,311		25,058		4,445,531		4,786,900		-	-	4,786,900
1/ Exclusive of electric motors operated by purchased power.												

1/ Exclusive of electric motors operated by purchased power.





Urban Statistics of Manufactures, 1928.

The statistics of manufactures in urban municipalities having 3 or more establishments and a gross value of production of \$1,000,000 or over in the calendar year 1928 are presented in Table 16. In the 222 urban municipalities included in the table the value of manufactured products amounted to \$3,222,156,165 in a total for the whole of Canada of \$3,769,850,364 or 85.47 per cent though the number of establishments represented but 49.96 per cent of the total. Capital investment in the 222 urban municipalities was 77.17 per cent of the total for the Dominion; the number of persons employed 83.06 per cent, the cost of salaries and wages 87.51 per cent and the cost of materials 84.68 per cent.

Table 16. Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1928.

Cities and Towns	Estab- lish- ments No.	Capital \$	Employ- ees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
<b>P. E. Island</b>	31	1,844,302	427	421,571	991,338	1,900,992
Charlottetown	31	1,844,302	427	421,571	991,338	1,900,992
<b>Nova Scotia</b>	274	117,723,988	10,782	12,291,885	33,472,375	67,263,193
Sydney	34	45,147,202	2,444	3,536,158	8,282,402	19,570,385
Dartmouth	15	15,901,328	893	1,195,851	12,059,653	17,630,681
Halifax	105	31,207,610	3,860	4,084,844	5,078,402	14,403,319
Trenton	3	8,326,265	745	1,033,309	2,486,559	4,150,608
Truro	24	4,616,924	843	696,697	1,871,073	3,520,013
Amherst	24	4,750,561	682	628,195	1,237,182	2,747,080
Yarmouth	29	2,861,621	539	479,881	1,230,254	2,448,884
New Glasgow	27	2,100,587	477	466,860	590,503	1,613,743
Windsor	13	2,211,890	299	190,090	636,347	1,178,480
<b>New Brunswick</b>	274	74,119,730	10,243	10,481,922	28,491,397	49,290,263
St. John	126	28,518,719	3,516	3,590,646	15,137,643	23,187,287
Moncton	39	7,727,660	2,351	2,760,036	4,166,096	8,052,280
Edmundston	10	10,145,382	496	558,049	1,447,518	3,552,310
St. Stephen	18	2,692,137	730	686,953	1,939,703	3,439,593
Bathurst	13	11,474,661	552	664,987	1,579,627	3,367,911
Fredericton	28	3,601,820	620	598,956	1,016,632	2,088,618
Campbellton	14	3,343,830	557	444,040	1,253,098	2,002,136
Milltown	3	2,160,635	745	566,425	797,676	1,432,765
Sackville	11	1,537,235	442	436,991	348,594	1,108,707
Newcastle	12	2,917,651	234	174,839	804,810	1,058,656
<b>Quebec</b>	2,916	1,186,071,257	169,606	190,106,757	425,880,954	902,400,061
Montreal	1,834	481,181,947	101,668	119,226,844	273,015,114	554,311,571
Three Rivers	55	79,061,136	7,634	8,258,527	19,209,953	45,441,169
Quebec	251	69,857,968	10,243	9,747,565	17,505,822	44,608,105
Shawinigan Falls	21	149,846,124	2,938	4,076,874	13,489,984	33,536,961
Lachine	29	25,427,082	2,893	4,792,210	7,514,290	20,736,693
Montreal East	4	26,511,718	1,719	2,528,304	9,494,444	19,427,957
Sherbrooke	76	22,339,310	4,677	4,708,027	9,227,636	19,009,741
Full	41	13,077,202	2,655	2,655,575	5,847,020	11,705,232
Grenby	26	9,724,593	2,763	2,352,651	4,439,105	11,317,276
Valleyfield	25	10,929,551	2,773	2,148,236	3,831,697	9,783,246
Magog	13	6,496,232	1,575	1,300,253	6,481,584	9,042,865
Port Alfred	4	37,722,732	889	1,313,502	4,251,599	8,986,335
St. Hyacinthe	50	8,761,102	2,561	1,899,563	5,155,927	8,905,609
Grand Mere	15	64,890,988	1,307	1,965,962	2,298,567	7,976,144
St. John	38	8,039,430	2,750	2,828,236	3,621,671	7,726,715
St. Jerome	26	6,349,083	1,853	1,555,746	2,886,997	7,610,937
Drummondville	14	18,643,679	2,056	1,890,516	4,063,184	6,892,209
Kenogami	3	16,279,477	954	1,429,172	2,563,276	6,873,573
East Angus	7	15,299,951	854	844,017	2,816,076	5,263,575
La Tuque	11	8,674,704	657	1,005,118	2,031,977	4,662,724
Beloeil	9	3,976,687	260	295,983	2,141,691	4,104,734
Luzon	8	2,705,002	523	587,603	1,064,295	3,626,217
Victoriaville	21	2,384,709	1,208	933,553	1,332,407	3,496,502
Verdun	11	3,760,844	851	831,433	1,591,160	3,432,840
St. Joseph d'Alma	7	14,824,888	473	713,575	786,131	3,072,211
Beauharnois	9	5,880,029	581	618,489	1,190,445	2,777,788
Joncascona	3	11,533,207	503	743,596	1,302,057	2,741,145





Table 16.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1928 - Cont'd.

Cities and Towns	Estab- lish- ments	Capital	Employ- ees	Salaries and Wages	Cost of Materials	Gross Value of Products
Quebec - Cont'd.	No.	\$	No.	\$	\$	\$
Chicoutimi	25	9,772,595	605	628,248	1,339,155	2,540,647
Bromptonville	4	506,769	312	331,827	1,335,793	2,260,010
Joliette	37	1,896,530	579	477,688	920,179	2,124,825
Windsor	7	6,002,789	503	570,010	924,338	2,077,919
Coaticook	21	2,300,029	713	461,289	1,088,941	2,010,792
Sorel	20	2,953,834	1,320	1,013,164	493,160	1,892,437
Cowansville	10	2,344,059	569	450,953	767,141	1,840,802
Chandler	3	3,092,960	463	470,899	748,698	1,756,841
Buckingham	14	2,894,127	321	423,022	859,262	1,676,968
Berthier	14	6,344,772	259	240,216	638,219	1,645,217
Marieville	11	1,686,662	487	414,792	988,804	1,444,381
Jonquiere	8	1,454,483	205	300,194	587,114	1,360,913
Loretteville	21	1,153,020	467	332,225	763,846	1,271,078
Portneuf	9	1,691,628	197	219,232	651,740	1,256,571
Rock Island	13	2,085,434	349	324,812	598,730	1,243,349
Asbestos	10	1,212,834	163	184,660	631,640	1,203,708
Laprairie	9	7,257,674	422	454,298	56,147	1,196,461
St. Remi	10	685,376	132	105,605	923,247	1,193,137
St. Laurent	4	1,226,317	298	382,094	404,060	1,125,696
Plessisville	16	1,134,027	359	267,512	577,469	1,101,787
Ste. Therese	11	1,177,544	271	226,429	493,920	1,052,353
Farnham	13	1,084,172	368	227,654	541,298	1,037,962
Montmagny	15	1,934,247	426	348,804	393,944	1,015,633
Ontario	6,138	1,885,349,775	292,161	365,236,011	948,840,546	1,775,342,136
Toronto	2,221	505,207,658	100,034	125,579,599	293,830,796	565,444,323
Hamilton	426	201,584,803	30,787	40,276,968	79,114,898	166,262,355
Oshawa	37	38,643,526	8,715	12,992,374	56,182,896	84,894,222
Ottawa	195	58,207,109	8,387	10,217,593	43,468,453	61,612,832
Kitchener	137	40,852,417	8,759	9,688,167	24,508,047	50,117,175
London	227	45,123,339	9,716	11,425,574	20,878,152	48,337,680
Ford City	10	45,139,262	7,051	13,590,633	26,807,710	44,293,223
Niagara Falls	61	41,931,035	3,113	4,420,295	18,498,194	38,729,880
Windsor	143	29,275,221	4,211	6,845,057	20,489,496	37,639,930
Peterborough	79	24,795,223	5,349	5,712,694	20,844,956	36,124,040
Brantford	101	60,061,627	7,714	8,600,204	16,439,312	32,273,886
New Toronto	12	23,263,688	3,357	4,736,132	19,766,829	31,114,973
Sarnia	41	21,274,999	2,507	3,788,580	17,917,152	27,123,165
Sault Ste. Marie	46	63,677,529	2,483	4,430,913	12,266,859	26,980,517
Walkerville	55	30,800,940	3,116	5,150,993	13,149,690	25,050,109
Welland	41	27,274,192	2,892	3,419,779	10,443,339	19,901,087
Port Colborne	16	10,891,290	752	1,048,924	16,971,662	19,894,201
Guelph	92	18,270,653	4,515	4,804,929	9,542,111	19,595,669
St. Catharines	100	19,746,301	3,965	4,663,401	7,699,563	17,584,863
Leaside	7	16,554,423	1,361	2,302,186	11,350,055	16,017,743
Galt	79	17,291,666	3,932	4,329,550	7,212,355	15,135,908
Chatham	52	14,689,267	2,371	2,902,256	8,673,311	14,568,023
Keewatin	3	6,696,954	364	482,804	12,874,723	14,540,450
Cornwall	43	22,268,591	4,233	3,968,273	6,273,735	14,353,376
Stratford	62	10,932,925	3,249	3,870,933	6,947,049	13,300,646
Thorold	16	25,813,140	1,456	2,289,750	5,089,092	13,072,881
Woodstock	60	12,877,185	2,863	3,019,814	6,516,122	12,250,714
Iroquois Falls	3	28,541,009	1,035	2,000,939	2,142,590	10,139,984
Brockville	33	7,137,127	972	1,031,566	7,428,380	9,983,856
Kenora	16	15,850,168	670	807,072	5,960,433	9,441,470
Wallaceburg	20	8,202,594	979	1,308,493	6,390,989	9,338,742
Fort William	36	29,232,205	1,089	1,201,109	4,746,311	8,574,384
Waterloo	34	11,285,286	1,504	1,693,740	3,596,130	7,928,589
Fort Frances	14	14,325,393	968	1,239,231	3,193,361	7,780,200
Port Arthur	20	17,959,029	1,360	1,867,022	2,325,283	7,285,839
Preston	33	6,787,066	1,633	1,870,778	3,232,393	6,725,901
Fergus	13	1,352,262	646	749,583	2,497,173	6,723,388
Belleville	53	9,857,805	1,371	1,424,341	1,862,661	6,289,735
Kingston	60	14,451,763	1,455	1,692,387	3,423,623	6,221,074
Owen Sound	53	7,064,013	1,822	1,733,978	2,747,326	5,812,280
Goderich	20	2,250,586	341	339,623	4,317,270	5,372,029
St. Thomas	46	4,088,079	1,145	1,127,900	3,030,095	5,305,064
Leamington	15	2,728,754	485	491,900	2,176,005	4,945,442





Table 16.-- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1928. - Cont'd.

ities and Towns	Estab- lish- ments	Capital	Employ- ees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<b>erie - Cont'd.</b>						
Si one	36	4,079,572	761	610,983	2,751,673	4,719,863
Portsville	13	4,180,390	452	427,289	3,256,994	4,577,867
Hawkesbury	13	6,954,198	849	957,900	2,365,128	4,606,395
Paris	20	5,024,135	1,125	1,081,812	2,123,958	4,215,741
Hespeler	15	5,375,714	1,058	1,110,144	2,053,432	4,109,518
St. Marys	22	4,973,963	499	594,756	2,106,984	4,097,910
Townmanville	19	4,608,370	675	647,472	1,860,218	4,069,339
Kapuskasing	6	30,144,894	886	1,290,870	1,530,920	4,047,719
Midland	19	4,210,535	608	663,072	2,658,391	3,963,378
Pembroke	36	5,510,263	1,131	759,552	2,040,552	3,904,038
Teston	13	4,346,507	885	1,066,870	1,615,344	3,764,866
Newmarket	18	2,284,581	640	690,083	1,614,996	3,715,826
Renfrew	20	4,291,847	672	745,995	1,947,835	3,672,518
Elmira	14	2,330,117	659	674,549	1,302,273	3,555,480
Ingersoll	26	3,790,792	694	801,750	1,807,934	3,543,410
Chippewa	3	906,681	189	284,787	653,828	3,498,054
Sandwich	11	4,602,101	838	1,249,663	752,727	3,484,125
Cardinal	8	3,209,475	273	382,807	2,500,897	3,478,429
Orillia	38	5,354,318	1,123	1,112,461	1,598,039	3,317,887
Acton	14	3,077,049	451	408,054	2,299,953	3,284,594
Bridgeburg	23	2,971,856	524	637,841	1,474,620	3,254,990
Petrolia	15	1,982,520	184	240,798	1,861,145	3,071,001
Brampton	21	2,414,491	897	872,988	1,362,331	3,052,789
Perth	23	3,726,893	698	795,629	1,189,057	2,976,078
Dundas	21	4,363,888	749	967,279	1,372,436	2,909,262
Herrington	8	4,164,085	482	711,319	1,179,369	2,900,245
Bracebridge	20	3,129,733	422	335,804	1,998,875	2,849,068
Oakville	19	1,643,927	423	481,301	1,670,530	2,841,663
Gananoque	24	2,995,976	635	723,356	1,255,147	2,763,602
Hanover	15	3,082,798	675	704,112	1,270,343	2,554,300
Aurora	7	1,183,262	417	399,081	1,702,026	2,544,130
Tilsonburg	23	1,962,101	499	455,471	1,678,091	2,533,371
Georgetown	19	2,735,850	559	511,610	1,446,031	2,459,203
Sudbury	26	4,442,397	388	460,844	1,090,742	2,399,956
Port Hope	30	3,600,872	665	879,701	765,611	2,384,062
Blind River	7	6,707,419	377	471,089	1,604,102	2,334,045
Cobourg	25	2,650,434	418	433,420	1,131,534	2,330,646
Lindsay	35	2,748,682	450	460,511	1,284,105	2,320,823
Amherstburg	9	10,128,834	239	376,116	313,590	2,277,019
Smith's Falls	21	3,919,497	687	768,225	1,149,012	2,258,994
Aylmer	9	1,877,278	198	192,888	1,303,467	2,118,317
Barrie	19	1,673,350	325	372,181	1,398,987	2,082,557
Carleton Place	19	2,331,893	598	570,440	955,679	2,054,141
Dunnville	20	2,308,480	634	641,709	1,037,174	2,037,224
Port Credit	4	2,277,701	193	229,722	1,328,063	2,022,997
Trenton	27	2,960,316	564	477,020	972,468	2,002,782
Arncliffe	16	4,125,332	518	581,295	1,147,542	1,977,759
Napanee	20	1,382,703	319	321,377	1,066,669	1,927,249
Port Dalhousie	5	1,215,217	486	468,196	516,019	1,906,538
Chesterville	8	942,583	157	207,661	1,254,932	1,873,710
Cobalt	8	15,917,457	212	368,367	64,638	1,863,618
Timmins	16	12,657,601	141	178,008	79,344	1,776,259
Tilbury	9	795,042	337	424,150	832,988	1,773,216
Listowel	19	851,547	360	351,226	894,768	1,642,942
Dryden	7	5,095,469	322	407,121	585,357	1,620,688
Camacellford	28	2,008,915	355	326,632	955,427	1,614,267
Caledonia	10	965,785	221	256,454	740,157	1,610,374
Kincardine	12	1,672,585	427	404,020	665,029	1,421,207
Almonte	17	1,551,096	491	400,669	814,401	1,421,207
Meaford	16	1,448,340	330	304,984	1,003,614	1,418,714
Southroy	16	1,459,759	314	299,800	825,411	1,416,318
Tavistock	13	499,248	152	153,260	1,126,715	1,437,779
Milton	17	3,020,191	359	414,272	482,219	1,432,053





Table 16.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1928 - Cont'd.

Cities and Towns	Estab- lish- ments No.	Capital \$	Employ- ees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
<b>Ontario - Cont'd.</b>						
North Bay	23	1,510,091	303	347,459	739,021	1,413,206
Sturgeon Falls	9	210,647	327	449,419	782,177	1,389,262
Ayr	7	887,612	104	106,789	655,153	1,352,772
Wingham	17	946,765	266	272,168	769,643	1,309,304
Collingwood	23	4,667,642	325	355,864	650,934	1,280,331
Pictou	27	1,271,826	282	161,750	724,592	1,264,473
Chesley	12	973,953	356	343,818	493,415	1,238,164
New Liskeard	17	1,501,780	280	338,390	611,743	1,232,879
Elora	9	946,739	308	324,012	384,233	1,172,601
Frankford	10	2,342,382	210	154,546	669,495	1,159,757
Woodbridge	5	725,935	149	168,192	838,975	1,146,845
Cache Bay	3	875,927	189	199,496	753,041	1,137,190
Walkerton	21	1,598,373	324	294,643	594,564	1,115,016
Grimsby	14	959,677	362	268,502	541,762	1,083,697
Penetanguishene	14	1,374,174	348	353,007	413,390	1,071,766
Prescott	16	1,059,766	271	221,824	474,055	1,035,310
New Hamburg	12	985,719	252	226,823	568,722	1,002,759
<b>Manitoba</b>						
Winnipeg	594	139,125,036	23,496	30,907,848	62,502,705	143,016,537
St. Boniface	491	115,673,092	18,340	23,994,480	35,275,785	105,456,065
Transcona	35	8,107,117	1,557	1,936,112	19,526,408	26,965,037
Brandon	3	7,025,759	2,168	3,168,181	2,281,729	5,737,255
Portage La Prairie	37	4,109,956	455	608,814	2,377,276	3,799,039
Saskatoon	14	753,084	222	243,305	1,931,807	2,685,983
Selkirk	7	2,025,820	422	563,429	566,898	1,916,428
The Pas	7	1,425,208	332	388,527	552,802	1,456,730
<b>Saskatchewan</b>						
Regina	173	32,932,377	4,391	6,343,021	30,073,181	50,540,384
Moose Jaw	70	14,633,807	1,810	2,711,296	10,338,339	19,483,586
Saskatoon	28	6,885,158	879	1,268,872	10,520,977	14,473,385
Prince Albert	56	9,199,323	1,303	1,880,486	7,026,455	13,117,818
	19	2,214,089	399	482,357	2,127,410	3,465,595
<b>Alberta</b>						
Calgary	316	63,169,772	9,562	12,269,800	48,455,065	82,232,905
Edmonton	146	32,269,048	4,209	5,782,865	24,800,582	42,418,079
Medicine Hat	125	21,237,175	4,229	5,071,978	14,391,653	24,924,820
Lethbridge	22	5,848,213	747	862,818	7,624,739	10,136,277
	23	3,815,336	377	552,139	1,638,091	4,753,723
<b>British Columbia</b>						
Vancouver	963	188,593,927	25,875	32,825,939	73,206,469	145,160,694
New Westminster	620	123,029,880	16,013	20,263,435	49,597,035	94,131,608
Victoria	53	13,726,438	2,316	2,857,847	3,218,153	14,717,644
North Vancouver	140	18,836,174	3,060	3,822,926	4,861,852	13,585,956
Prince Rupert	18	5,996,636	958	1,387,717	2,141,067	4,261,236
Duncan	20	4,519,647	345	587,962	2,200,631	3,337,800
Rossland	12	742,646	470	618,060	1,162,681	2,195,633
Port Alberni	8	7,904,315	477	759,216	13,120	2,146,772
Port Moody	8	1,221,513	364	457,516	1,048,511	1,989,326
Nelson	5	1,542,872	332	438,244	98,321	1,820,762
Nanaimo	25	1,880,621	360	467,338	492,905	1,707,264
Kelowna	27	1,324,808	540	435,957	680,821	1,605,614
Fernie	17	898,715	307	270,046	683,401	1,289,377
Port Coquitlam	6	6,404,359	183	254,939	457,246	1,242,696
	4	565,303	150	209,014	560,727	1,139,165





Summary of Production in Urban Centres.

A summary of the cities and towns having a production valued at \$1,000,000 and over showing the percentage of production in the cities and towns of each province to the total production in the province is presented herewith. The highest percentage so obtained is found in Manitoba with 92.83 per cent followed by Ontario with 91.05 and Saskatchewan with 85.48 per cent. The lowest percentages appear in Prince Edward Island and British Columbia where the primary industries connected with the farm, the forest, the mine and the fisheries furnish the volume of production.

Province	Cities and towns in each province No.	Establishments reporting in the cities and towns having an output of \$1,000,000 and over No.	Total production of cities and towns in each province whose establishments have an output of \$1,000,000 and over \$	Total production in each province \$	Per cent of production in cities and towns to total production in the province P.C.
Prince Edward Island	1	31	1,900,992	4,445,160	42.76
Nova Scotia	9	274	67,263,193	84,948,608	79.18
New Brunswick	10	274	49,290,263	67,413,742	73.12
Quebec	50	2,916	902,400,061	1,073,162,291	84.09
Ontario	123	6,138	1,775,342,136	1,949,724,119	91.05
Manitoba	7	594	148,016,537	159,435,094	92.83
Saskatchewan	4	173	50,540,384	59,125,280	85.48
Alberta	4	316	82,232,905	100,744,401	81.62
British Columbia	14	963	145,169,694	270,851,669	53.60
CANADA	222	11,679	3,222,156,165	3,769,850,364	85.47



31-D-26

DEPARTMENTAL LIBRARY  
OF CANADA

C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

REPORT  
on the  
MANUFACTURING INDUSTRIES  
of  
CANADA  
1929

Published by Authority of the Hon. H. H. Stevens, M.P.,  
Minister of Trade and Commerce

\* \* \*

OTTAWA

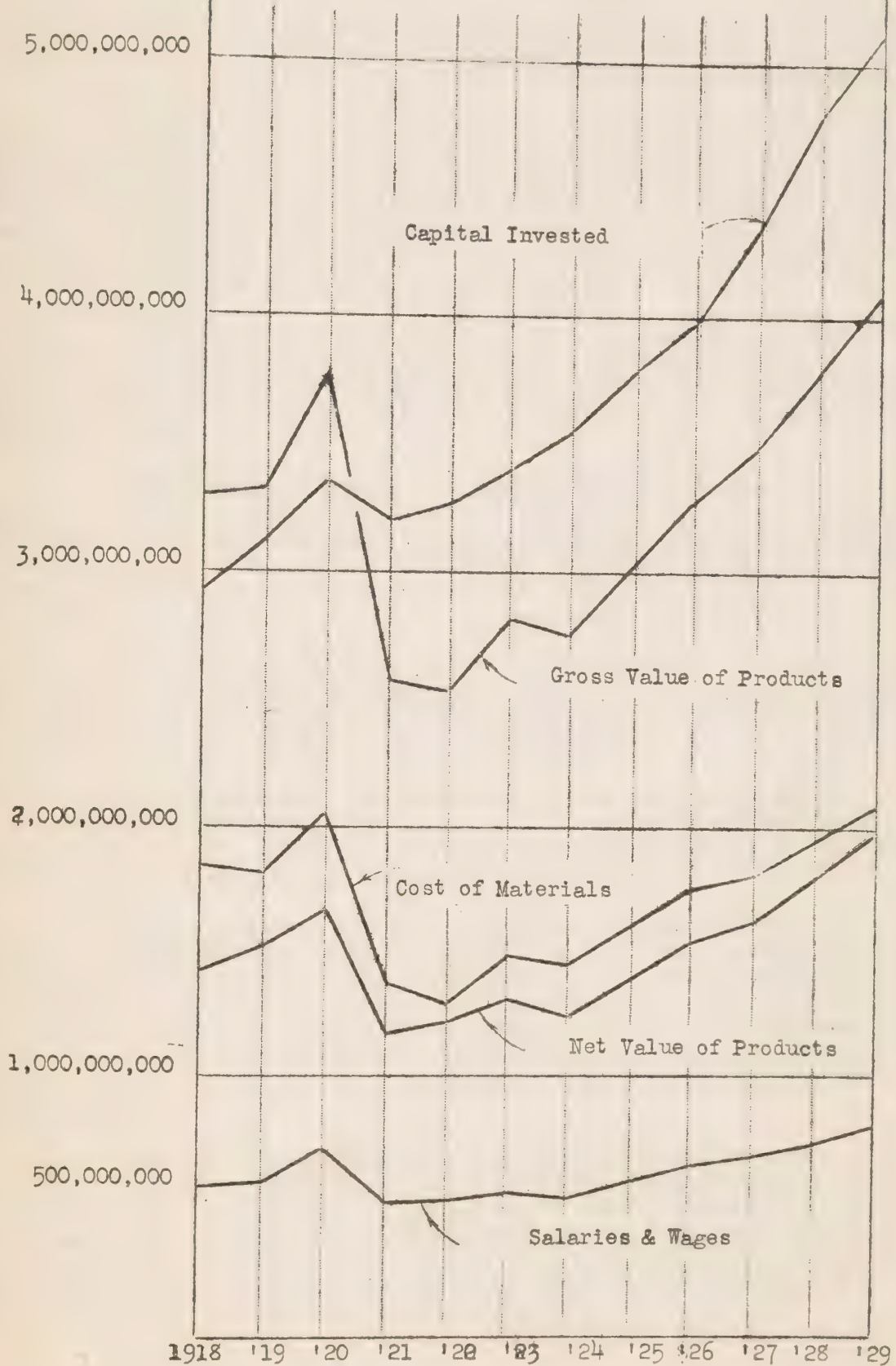
1931





Dollars

# Principal Statistics of General Manufactures







CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

Dominion Statistician:	R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
Chief, Census of Industry:	J. C. Macpherson.

---

MANUFACTURES OF CANADA, 1929.

Ottawa, July, 1931.- The report on the manufacturing industries of Canada for the year 1929, is herewith presented, the principal statistical features of which are outlined below:-

**Establishments.-** The number of individual establishments reporting in 1929 was 23,597, an increase of 218 from the number reported in 1928. The vegetable products group accounted for 160, the wood and paper group 115, whilst iron and steel products, non-metallic minerals and the miscellaneous group each had an increase of 10. the textile group follows next in order with a gain of 6 and the non-ferrous metals last with 2. There was a decrease of 52 in the animal products group, 25 in central electric stations and 18 in the chemical products group.

**Capital Investment.-** The total capital invested in Canadian manufacturing industries rose from \$4,780,296,049 in 1928 to \$5,083,014,754 in 1929, an increase during the year of \$302,718,705 or 6.33 per cent. Fixed capital increased from \$3,142,419,861 in 1928 to \$3,377,590,099 in 1929, while working capital increased from \$1,637,876,188 to \$1,705,424,655.

**Employment.-** The number of persons employed in the manufacturing industries of Canada in 1929 was 694,434, of whom 96,607 were salaried employees, and 597,827 wage-earners. Of the salaried employees 73,792 were males and 22,815 were females, while of the wage-earners 468,043 were males and 129,784 were females. Compared with 1928 there was an increase in the number of salaried employees of 5,364 and in wage-earners of 31,047.

**Salaries and Wages Paid:-** The total payments for labour and service in 1929 amounted to \$813,049,842 of which \$188,747,672 was paid for salaries and \$624,302,170 for wages. Compared with 1928 there was an increase in the amount paid for salaries of \$13,976,793 and in wages of \$43,873,677.

**Materials Used:-** The total cost of all materials, whether in the raw or partly manufactured condition, used in the various processes of manufacture during 1929 was \$2,066,636,914. Compared with the preceding year there was an increase in the cost of materials of \$115,832,575 or nearly 6.0 per cent.

**Value of Products:-** The gross value of manufactured products at the point of production amounted to \$4,063,987,279 in 1929, which was an increase of \$294,136,915 or 7.80 per cent, when compared with 1928. Of the nine groups, all show increases in value of production with the exception of the Animal and Chemical products groups, which show a combined decline amounting to \$15,690,755. A comparison by provinces shows that increases were reported by all of the nine provinces, Ontario leading with \$153,366,669, Quebec being next with \$87,450,701 and Saskatchewan third with \$21,375,879.

The value added by manufacture is obtained by subtracting the cost of the materials used from the gross value of products. This difference represents the value added to the raw materials by labour and it is this value which the employer of labour uses to pay for the labour itself, the overhead expenses, profits, etc. The cost of the materials used in 1929 amounted to \$2,066,636,914 and the gross value of products to \$4,063,987,279, leaving the value added by manufacture at \$1,997,350,365, an increase of \$178,304,340, as compared with 1928.



MANUFACTURES OF CANADA, 1929.

A comparative study of the principal statistics of the manufacturing industries of Canada for the past two years is afforded in Table 1, which shows the increases and decreases in 1929 as compared with 1928.

Table 1.- Principal Statistics compared for 1928 and 1929.

Items		1929	1928	Increase (+) or Decrease (-) 1929 over 1928.
Establishments	No.	23,597	23,379	+ 218
Capital invested	\$	5,083,014,754	4,780,296,049	+ 302,718,705
Average capital per establishment	\$	215,409	204,469	+ 10,940
Employees on salaries	No.	96,607	91,243	+ 5,364
Salaries	\$	188,747,672	174,770,879	+ 13,976,793
Average salaries	\$	1,954	1,915	+ 39
Employees on wages	No.	597,827	566,780	+ 31,047
Wages	\$	624,302,170	580,428,493	+ 43,873,677
Average Wages	\$	1,045	1,024	+ 21
Outside piece workers	No.	2,288	3,021	- 733
Payments to piece workers	\$	407,638	456,766	- 49,128
Cost of materials	\$	2,066,636,914	1,950,804,339	+ 115,832,575
Average cost of materials per establishment	\$	87,580	83,442	+ 4,138
Value of Products	\$	4,063,987,279	3,769,850,364	+ 294,136,915
Average value of products per establishment	\$	172,225	161,249	+ 10,976
Value added by manufacture	\$	1,997,350,365	1,819,046,025	+ 178,304,340





Table 2. presents the principal statistics of the manufacturing industries of Canada for the calendar year 1929 by provinces and by groups of industries classified according to chief component materials. The province of Ontario ranks first in production with 51.75 per cent of the total for the Dominion, Quebec being second with 28.56 per cent, whilst the remaining provinces follow in the order named;— British Columbia 6.11 per cent, Manitoba 4.06 per cent, Alberta 2.65 per cent, Nova Scotia 2.32 per cent, Saskatchewan 1.98 per cent, New Brunswick 1.76 per cent and Prince Edward Island 0.11 per cent.

In the industrial group classification first place is taken by the Vegetable products group with 18.98 per cent of the total of all groups. Iron and its products group is second with 18.16 per cent, wood and paper products third with 17.86 per cent, animal products fourth with 11.7 per cent, textile products fifth with 10.49 per cent followed in order by the non-ferrous metal group with 6.97 per cent, the non-metallic mineral group with 5.96 per cent, the central electric stations with 3.88 per cent, the chemical products group with 3.41 per cent, and the miscellaneous group last with 2.54 per cent.

Table 2.— Summary of the Principal Statistics of the Manufacturing Industries of Canada, 1929 — (a) By Provinces  
(b) By Groups of Industries.

	No. of Establishments	Capital	Employees on Salaries				Employees on Wages		Cost of Materials	Gross Value of Products
			Male		Female		Male	Female		
			No.	\$	No.	\$				
(a) By Provinces										
CANADA, Totals	23,597	5,083,014,754	73,792	22,815	468,043	129,784	624,302,170	2,066,636,914	4,063,987,279	
Prince Edward Island	276	3,489,934	170	36	1,175	752	582,247	2,864,831	4,636,723	
Nova Scotia	1,195	135,662,325	1,381	401	15,580	3,604	14,851,490	51,506,523	94,292,616	
New Brunswick	860	117,965,970	1,355	384	13,123	3,655	12,554,648	40,453,535	71,433,966	
Quebec	7,156	1,673,011,042	21,282	5,575	137,369	49,241	180,420,666	543,240,589	1,160,612,992	
Ontario	9,910	2,418,340,459	37,777	13,595	228,378	60,109	320,296,853	1,080,106,598	2,103,090,758	
Manitoba	923	173,152,948	3,415	953	18,076	3,874	25,870,774	89,158,361	164,909,127	
Saskatchewan	761	58,877,124	1,808	337	5,412	490	6,794,264	51,208,827	80,501,159	
Alberta	817	107,648,028	1,878	476	9,713	1,681	12,274,530	63,432,924	101,556,192	
British Columbia and Yukon	1,699	394,866,933	4,726	1,058	39,217	6,378	50,656,698	144,664,706	276,950,914	
(b) By Industrial Groups										
CANADA, Totals	23,597	5,083,014,754	73,792	22,815	468,043	129,784	624,302,170	2,066,636,914	4,063,987,279	
Vegetable products	5,005	569,064,835	9,471	2,876	51,529	24,982	68,640,366	427,019,724	771,457,665	
Animal products	4,490	243,825,065	8,707	1,954	41,209	15,800	45,160,122	345,351,882	477,761,855	
Textiles and textile products	1,891	383,153,797	6,635	3,391	42,178	63,416	86,340,883	220,304,250	426,247,377	
Wood and paper products	7,405	1,152,075,234	16,284	4,959	131,804	11,754	148,861,678	314,203,289	727,819,740	
Iron and its products	1,169	754,989,105	12,363	3,542	113,031	3,345	153,523,211	384,929,660	738,112,880	
Non-ferrous metal products	408	298,721,106	5,608	2,017	27,456	4,786	40,215,823	124,900,632	283,112,666	
Non-metallic mineral products	1,188	329,448,844	3,212	763	26,526	930	33,672,387	117,149,130	242,023,113	
Chemicals and chemical products	554	165,886,912	3,286	1,280	9,390	2,738	13,111,947	55,104,327	138,245,421	
Miscellaneous industries	463	130,118,324	2,721	725	15,570	2,033	21,456,214	42,982,071	103,013,462	
Central Electric Stations	1,024	1,055,731,532	5,505	1,309	9,350	-	13,319,039	34,019,939	157,499,307	

1/ Cost of electric energy purchased by Central Electric Stations from central electric stations for resale.





Table 3 presents a classification of the manufacturing industries of Canada classified according to the origin of the materials used. Products of farm origin in 1929 were valued at \$1,411,245, and represented 35 per cent of the total of all production. The principal items of Canadian farm origin were:—Flour and cereals (\$181,148,669), livestock, etc. (\$185,842,902), Butter and cheese (\$126,703,195), bread, biscuits and confectionery (\$139,17,267), Tobacco, cigars, etc. (\$25,165,206) and Boots and shoes of leather (\$48,627,590), whilst those of foreign origin were cotton goods (\$78,241,765) Sugar (\$47,151,960), rubber goods (\$76,934,660) and coffee and spices (\$27,971,790).

Next to the products of farm origin were those of mineral origin totalling (\$1,392,499,868) and comprising iron and steel products (\$738,012,980), non-metallic minerals (\$242,023,519), non-ferrous metals (\$283,545,666) and chemical products (\$115,254,729).

Products of forest origin occupied third place with a total value of \$722,006,666 and comprised pulp and paper (\$243,970,761), saw-mill products (\$146,000,564), printing and publishing (\$70,673,338), planing mills, (6,500,000), book-binding (\$43,740,715) and furniture, (\$44,136,176).

Table 3.—Principal Statistics of the Manufacturing Industries of Canada, Classified According to the Origin of the Materials Used, 1929.

Estab-lish-ments	Capital	Employees on Salaries				Employees on Wages		Cost of Materials	Value of Products	
		Male		Female	Salaries	Male	Female			Wages
		No.	No.	No.	\$	No.	No.			\$
TOTAL	23,597	5,083,014,754	73,753	22,315	188,747,572	468,043	129,784	\$ 2,066,636,914	4,063,987,279	
1. Farm Origin	9,064	997,663,523	19,884	5,540	47,257,896	105,823	54,717	858,697,207	1,411,245,651	
(a) from field crops	4,893	436,282,846	7,026	2,174	18,241,257	37,633	20,401	326,292,523	596,312,811	
Canadian origin	298	260,923,317	3,499	1,020	9,397,210	27,426	15,057	170,550,057	290,702,385	
Foreign origin										
(b) from Animal husbandry	3,850	272,178,703	9,194	2,241	18,851,225	39,111	26,897	355,763,543	507,694,123	
Canadian origin	23	28,278,657	255	102	667,681	1,653	2,362	6,091,124	14,476,007	
Foreign origin										
(c) Total Farm Origin	8,743	708,401,549	16,220	4,418	56,105,085	76,744	31,290	682,056,026	1,106,006,114	
Canadian origin	321	289,201,974	3,754	1,122	20,664,811	29,097	17,417	178,641,161	307,239,445	
Foreign origin	234	14,238,686	446	200	4,309,621	1,575	1,312	12,847,817	20,062,737	
Wild Life Origin	730	28,644,442	201	77	55,665	9,429	6,214	21,426,859	34,706,267	
Marine Origin	7,353	1,148,558,242	16,168	4,902	43,694,619	37,151	11,642	313,706,964	722,269,061	
Forest Origin	3,219	1,550,662,509	24,642	7,262	62,616,303	176,403	10,903	670,883,103	1,392,499,868	
Mineral Origin	1,973	287,425,621	7,041	3,247	21,004,748	33,702	44,991	147,406,875	324,618,012	
Mixed Origin										
Central Electric Stations	1,024	1,055,721,532	5,505	1,309	11,512,782	9,350	-	34,615,9394	157,499,305	

1/ Cost of electric energy purchased by central electric stations from central electric stations for resale.





A presentation of the manufacturing industries based on the purpose of the chief product is given in Table 4.

Ranked in order of the value of gross production, producers' materials stand first with a total value of \$1,151,390,753 or 28.3 per cent, followed by the food group with a total of \$837,986,384 or 20.6 per cent, the industrial equipment group third, with a total of \$772,327,141 or 19.0 per cent and the clothing group fourth, with a total of \$363,011,970 or 8.9 per cent.

An analysis of the relative standing of the two purpose groups of more general interest is here presented. The food group of industries has a gross production of 20.6 per cent of the output of all Canadian manufacturing concerns as compared with 8.9 per cent for the clothing group. It will be noted that the much greater production in the food group was in part due to the higher cost of raw materials in that group as compared with the cost of such materials in the clothing group. The clothing group maintains a larger payroll than the food group despite the fact that a smaller output was recorded than for the food group, the anomaly being explained by the greater prevalence of female labour in the clothing group. The total amount of the payroll in each of the two groups to the total of all groups of industries was 10.8 per cent for the food group and 12.4 per cent for the clothing group.

Table 4.- Principal Statistics of the Manufacturing Industries of Canada, classified according to the Purpose of the Principal Products, for the calendar year 1929.

	Estab-lish-ments	Capital	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products
			Male	Female	Male	Female		
	No.	\$	No.	No.	No.	No.	\$	\$
TOTAL	23,597	5,083,014,754	73,792	22,815	468,043	129,784	2,066,636,914	4,063,987,279
Food	8,351	463,984,558	11,791	2,968	57,069	22,879	597,396,238	837,986,384
Clothing	2,054	250,215,736	7,031	3,646	38,122	57,842	176,130,224	363,011,970
Drink and tobacco	599	201,365,785	2,859	653	9,984	5,480	65,440,053	208,968,998
Personal Utilities	380	56,155,234	1,561	730	6,679	2,178	29,389,246	61,191,750
House Furnishings	600	76,185,921	1,771	626	16,380	2,080	34,293,465	77,811,331
Books and Stationery	1,917	144,222,275	7,669	2,985	20,957	6,530	45,384,362	155,947,960
Vehicles and Vessels	781	310,942,038	5,360	1,214	53,530	1,731	243,258,350	407,947,648
Producers' Materials	6,210	1,772,309,696	16,202	3,809	181,067	21,026	523,139,599	1,151,390,753
Industrial Equipment	2,600	1,774,844,446	19,030	5,949	81,865	9,242	339,197,388	772,327,141
Miscellaneous	105	32,789,065	518	235	2,390	796	13,007,989	27,403,344





Table 5. - Principal Statistics compared by Groups of Industries, 1928 and 1929.

Groups of Industries	Estab-lish-ments No.	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials \$	Value of Products \$
			Male No.	Female No.	Male No.	Female No.		
1928								
Vegetable Products	4,845	531,918,725	9,035	2,755	48,675	23,299	439,922,126	756,995,355
Animal Products	4,842	243,550,121	8,764	2,008	41,627	15,378	351,324,498	485,021,354
Textiles and Textile Products	1,835	365,721,591	6,517	3,234	41,156	62,817	223,730,616	415,402,357
Wood and Paper Products	7,290	1,158,651,531	15,351	4,601	126,820	11,233	293,159,913	682,549,851
Iron and Steel Products	1,159	702,931,186	11,488	3,314	101,159	3,238	309,618,074	609,632,399
Non-ferrous metal Products	406	253,367,370	5,003	1,749	24,692	4,124	98,746,019	237,966,927
Non-metallic mineral Products	1,178	298,693,122	2,996	654	24,251	749	93,683,873	206,082,141
Chemicals and chemical Products	572	148,939,920	3,294	1,217	8,826	2,793	74,163,334	146,975,837
Miscellaneous Industries	453	119,602,877	2,407	642	14,342	1,960	35,090,248	85,530,097
Central Electric Stations	1,049	956,919,603	5,003	1,211	9,641	-	31,365,636 1/2	143,692,455
TOTAL	23,379	4,780,296,049	69,858	21,385	441,189	125,591	1,950,804,339	3,769,850,364
1929								
Vegetable Products	5,005	569,064,835	9,471	2,876	51,529	24,982	427,019,724	771,457,665
Animal Products	4,490	243,825,065	8,707	1,954	41,209	15,800	345,351,882	477,761,355
Textiles and Textile Products	1,891	383,153,797	6,635	3,391	42,178	63,416	220,304,250	426,247,587
Wood and Paper Products	7,405	1,152,075,234	16,284	4,958	131,804	11,754	314,203,289	725,819,740
Iron and Steel Products	1,169	754,989,105	12,363	3,542	113,031	3,345	384,925,660	738,012,980
Non-ferrous metal Products	408	298,721,106	5,608	2,017	27,456	4,786	124,900,632	263,345,666
Non-metallic mineral Products	1,188	329,448,844	3,212	763	26,526	930	117,149,130	242,023,518
Chemicals and chemical Products	554	165,886,912	3,286	1,280	9,390	2,738	55,184,337	138,511,221
Miscellaneous Industries	463	130,118,324	2,721	725	15,570	2,033	42,982,071	103,073,662
Central Electric Stations	1,024	1,055,731,532	5,505	1,309	9,350	-	34,615,939 1/2	157,499,385
TOTAL	23,597	5,083,014,754	73,792	22,815	468,043	129,784	2,066,636,914	4,063,967,279

1/ Cost of Electric energy purchased by central electric stations from central electric stations for resale.





## Consumption of Manufactured Products, 1929

The consumption of manufactured products is made possible by the placing of the classification of external trade and production on a common basis. Table 6. gives the value of goods manufactured in Canada (Col. 1) which added to the value imported for consumption (Col. 2) less the exports of manufactured and partly manufactured goods (Col. 3) leaves the value of manufactured products available for consumption (Col. 4). In 1929 Iron and Steel Products were first in value of goods made available for consumption with Vegetable products and textiles in second and third position. The total for all groups available for consumption amounted to \$4,308,378,487 in 1929 as compared with \$4,022,000,585 in 1928, \$3,605,668,962 in 1927 and \$3,343,397,137 in 1926. It should be observed that considerable duplication occurs in the value of manufactured products where several processes are performed upon a commodity before it is ready for ultimate use.

Table 6.- Consumption of Manufactured Products in Canada, for the calendar year 1929.

	Value of Manufactured Goods	Manufactured and partly manufactured Goods (fiscal year ended March 31.)		Value of Products Available for Consumption
		Net Imports	Domestic Exports	
Vegetable Products	\$ 771,457,665	\$ 125,010,477	\$ 122,902,659	\$ 773,565,483
Animal Products	477,761,855	44,425,795	64,802,581	457,385,069
Textile Products	426,247,587	144,573,313	7,489,884	563,331,016
Wood and Paper Products	725,819,740	58,882,293	267,006,760	517,695,273
Iron and its Products	738,012,980	307,066,936	78,571,009	966,508,907
Non-ferrous Metal Products	283,545,666	82,132,716	99,113,024	266,565,358
Non-metallic Mineral Products	242,023,518	69,391,244	8,491,908	302,922,854
Chemicals and allied Products	138,545,221	39,343,858	22,468,462	155,420,617
Miscellaneous Industries	403,073,662	68,400,262	20,057,938	151,415,986
Central Electric Stations	157,499,385	96,693	4,028,154	153,567,924
T O T A L	4,063,987,279	939,323,587	694,932,379	4,308,378,487

Note:- Value of manufactured goods are for the calendar year 1929. Imports and exports of manufactured and partly manufactured goods are for the fiscal year ended March 31, 1930.



The statistics of the forty leading industries of the Dominion are presented in Table 7. The pulp and paper industry now leads all others by the considerable margin of \$58,127,859 followed in order by the meatpacking and flourmilling industries. These forty industries employ 81,53 per cent of all capital used in the manufacturing industries of the Dominion and produce 79.56 per cent of the gross value of all goods made.

Table 7. - Principal Statistics of the Forty Leading Industries of Canada, 1929.

	Estab-lish-ments	Capital	Employees on Salaries		Employees on Wages		Cost of Materials	Gross Value of Products
			Male	Female	Salaries	Male	Female	
	No.	\$	No.	No.	\$	No.	No.	\$
1. Pulp and paper	108	644,773,806	3,104	634	9,391,901	29,595	869	96,874,749
2. Slaughtering and meatpacking	74	67,777,803	2,154	345	4,724,682	7,434	829	151,814,517
3. Flour and grist mill products	1,325	67,773,534	993	217	2,300,160	5,267	141	150,806,665
4. Automobiles	17	98,378,301	1,687	603	5,227,608	13,922	223	120,332,694
5. Central electric stations	1,024	1,055,731,532	5,505	1,309	11,512,782	9,350		34,615,939
6. Sawmills	3,161	181,586,699	1,643	243	3,892,151	44,501	79	83,743,952
7. Butter and cheese	2,767	47,907,462	3,526	656	4,646,465	(2)7,449	241	93,861,458
8. Railway rolling stock	35	94,415,563	1,521	109	3,633,974	23,823	35	74,156,037
9. Electrical apparatus and supplies	139	101,767,108	3,593	1,452	8,886,486	12,352	3,564	49,623,322
10. Non-ferrous metal smelting	10	146,699,085	621	63	1,753,840	7,408	27	12,018,553
11. Petroleum products	25	71,260,459	445	65	1,253,174	4,444	24	6,900,451
12. Rubber goods, including footwear	44	73,877,478	1,751	508	4,156,968	11,415	4,122	15,977,533
13. Castings and forgings	336	102,900,796	2,000	647	5,768,144	20,467	329	25,086,510
14. Cotton yarn and cloth	36	95,542,319	575	120	1,612,847	11,369	8,157	15,058,940
15. Bread and other bakery products	2,568	48,969,603	846	428	1,784,168	13,632	2,117	16,697,444
16. Printing and publishing	767	65,736,238	4,965	1,805	11,478,893	8,626	1,564	14,928,311
17. Steel and rolled products, pig iron, ferro-alloys, etc.	45	109,446,529	597	115	1,746,020	10,479	27	16,788,661
18. Clothing, women's factory	461	25,087,862	1,163	792	3,802,392	4,011	11,058	13,326,029
19. Machinery	169	75,226,204	1,822	614	4,700,846	9,745	253	22,264,416
20. Cigars and cigarettes	72	34,025,963	1,009	294	2,374,525	1,659	3,420	3,360,727
21. Biscuits and confectionery	281	55,320,902	1,723	624	4,693,754	4,653	6,073	8,162,122
22. Breweries	78	70,390,147	768	116	2,384,418	3,909	46	4,749,838
23. Hosiery, knit goods and gloves	168	66,489,608	771	451	2,694,053	5,873	12,474	13,600,483
24. Planing mills, sash and door factories	744	58,429,538	1,299	247	2,853,220	11,413	113	12,112,852
25. Sheet metal products	152	49,080,661	997	340	2,530,928	7,085	864	8,697,242

(1) Cost of electric energy purchased by central electric stations from central electric stations for resale.

(2) Includes "Salaried Employees" for the Province of Quebec.





Table 7.- Principal Statistics of the Forty Leading Industries of Canada, 1929 (Cont'd.)

	Estab- lish- ments	Capital \$	Employees on Salaries		Employees on Wages		Cost of Materials \$	Value of Products \$
			Male	Female	Male	Female		
No.	No.	No.	No.	No.	No.	No.		
25. Clothing, men's factory	205	28,493,549	1,009	411	4,811	5,275	25,653,973	50,580,168
27. Boots and shoes, leather	191	31,028,229	966	357	8,652	5,588	25,510,731	48,627,590
281 Sugar refineries	8	43,534,113	246	61	1,916	102	35,640,124	47,151,960
29. Furniture and upholstery	367	41,851,682	871	322	11,406	483	17,735,090	44,136,176
30. Distilleries	20	60,211,220	289	72	1,442	416	12,928,920	43,752,420
31. Printing and bookbinding	910	43,506,712	1,557	573	7,569	2,679	13,761,259	43,748,715
32. Agricultural implements	62	103,356,773	1,334	431	9,534	109	19,016,981	40,659,479
33. Coke and gas products	43	94,749,062	652	237	3,909	4	18,517,214	39,910,473
34. Brass and copper products	102	27,431,520	891	214	4,668	459	21,118,038	36,115,581
35. Fish curing and packing	730	28,644,442	583	77	9,493	6,214	21,496,859	34,966,260
36. Bridge-building	10	28,895,206	921	107	3,949	-	14,557,679	34,179,488
371 Automobile supplies	65	19,401,890	401	129	3,878	300	19,045,836	31,965,078
38. Furnishing goods, men's	162	19,654,505	600	292	1,346	7,652	17,848,021	30,501,862
39. Acids, alkalies and salts	15	49,417,431	354	26	2,509	8	6,301,121	28,021,972
40. Coffee and spices	59	15,402,253	445	136	680	440	21,025,868	27,971,790
Total, forty leading industries	17,555	4,144,173,787	56,107	16,282	364,804	86,378	1,685,419,466	3,233,221,978
Total, all industries	23,597	5,083,014,754	73,792	22,815	468,043	129,784	2,066,636,914	4,063,987,279
Percentage of forty leading industries to all industries	74.40	81.53	76.03	71.37	77.94	66.56	81.55	79.56





## MANUFACTURES OF CANADA, 1929.

Table 8.- Capital employed in the manufacturing industries of Canada, 1925-1929.

(a) By provinces.  
(b) By Groups of Industries.

	Fixed Capital		Working Capital		
	Number of establishments	Land, buildings, fixtures, machinery and tools	Materials on hand, stocks in process, finished products on hand	Cash, trading and operating accounts and bills receivable	Total Capital
	No.	\$	\$	\$	\$
<b>(a) By Provinces</b>					
CANADA	23,597	3,377,590,099	878,783,691	826,640,964	5,083,014,754
Prince Edward Island	276	2,411,564	536,781	541,589	3,489,934
Nova Scotia	1,195	96,637,139	22,027,058	16,998,128	135,662,325
New Brunswick	860	75,098,124	21,493,818	21,374,028	117,965,970
Quebec	7,156	1,187,338,320	257,081,626	228,591,096	1,673,011,042
Ontario	9,910	1,509,541,499	457,935,862	450,863,089	2,418,340,450
Manitoba	923	123,274,605	25,918,365	23,959,978	172,152,948
Saskatchewan	761	38,024,102	13,536,924	7,316,098	58,877,124
Alberta	817	74,100,731	19,437,491	14,109,806	107,648,028
British Columbia and Yukon	1,699	271,164,015	60,815,766	62,887,152	394,866,933
<b>(b) By Groups of Industries</b>					
TOTAL	23,597	3,377,590,099	878,783,691	826,640,964	5,083,014,754
Vegetable products	5,005	302,983,088	160,566,214	105,515,533	569,064,835
Animal products	4,490	119,319,903	67,097,386	57,407,776	243,825,065
Textiles and textile products	1,891	193,841,995	99,212,392	90,099,410	383,153,797
Food and paper products	7,405	793,066,939	188,938,055	170,130,240	1,152,075,234
Iron and its products	1,169	410,443,034	167,768,708	176,777,363	754,989,105
Non-ferrous metal products	408	164,109,880	61,010,346	73,600,880	298,721,106
Non-metallic mineral products	1,188	232,680,217	60,110,250	36,658,377	329,448,844
Chemicals and chemical products	554	93,291,653	33,289,770	39,305,489	165,886,912
Miscellaneous industries	463	66,350,928	30,180,651	33,586,745	130,118,324
Central electric stations	1,024	1,001,562,462	10,609,919	43,559,151	1,055,731,532
<b>Total - capital investment</b>					
1929	23,597	3,377,590,099	878,783,691	826,640,964	5,083,014,754
1928	23,379	3,142,419,861	836,980,419	800,895,769	4,780,296,049
1927	22,936	2,866,366,199	773,824,436	697,440,923	4,337,631,558
1926	22,708	2,626,963,690	722,451,467	632,154,433	3,981,569,590
1925	22,331	2,525,173,575	694,918,828	588,217,578	3,808,309,981





The trend of employment in the manufacturing industries of Canada continued in an upward direction. A new high record was established in 1929 when an employment of 694,434 persons was reported. This compares with an employment of 544,225 in 1925 or an increase of 150,209 or 27.6 per cent for the five-year period. Another view of the trend employment is afforded by comparing the index number of employment in the manufacturing industries, by months, for the calendar years 1922-1929, as shown in Table 12. It should be noted that this index is compiled only from a selected list of manufacturers who send in returns every month, while the employment figures shown in Table 9. is the average/employment of all manufacturing industries. An analysis of the average salaries and wages paid in each province as well as in each industrial group is also shown in Table 10.

Table 9.- Employment in the manufacturing industries of Canada, 1925-1929.

	Employee on Salaries			Employees on Wages			Total Employees	Salaries and Wages
	Male	Female	Salaries \$	Male	Female	Wages \$		
1929	73,792	22,815	188,747,672	468,043	129,784	624,302,170	694,434	813,049,842
1928	69,858	21,385	174,770,879	441,189	125,591	580,428,493	658,023	755,199,372
1927	65,886	19,597	162,348,978	413,634	119,816	531,583,250	618,933	694,382,285
1926	63,481	18,313	152,705,944	385,202	114,543	501,144,989	581,539	653,850,933
1925	60,385	17,238	143,056,516	359,595	107,007	452,958,655	544,225	596,015,171

-11-

11

Table 10.- Average Salaries and Wages, 1929.

(a) Provinces	Average Salaries	Average Wages	(b) Groups of Industries	Average Salaries	Average Wages
Prince Edward Island	967	302	Vegetable products	1,997	897
Nova Scotia	1,725	774	Animal products	1,587	792
New Brunswick	1,816	748	Textiles and textiles products	1,960	818
Quebec	1,988	966	Wood and paper products	2,042	1,037
Ontario	1,975	1,110	Iron and its products	2,100	1,319
Manitoba	1,900	1,179	Non-ferrous metal products	2,106	1,247
Saskatchewan	1,699	1,151	Non-metallic mineral products	1,972	1,227
Alberta	1,778	1,077	Chemicals and allied products	1,974	1,073
British Columbia and Yukon	1,921	1,111	Miscellaneous industries	2,222	1,225
			Central electric stations	1,699	1,424
CANADA	1,954	1,045	TOTAL, ALL GROUPS	1,954	1,045





Table 11.- Monthly employment of wage-earners in the fourteen leading industries of Canada, 1929.  
(Classified according to the number of wage-earners employed).

	Average number of employees during the year	January	February	March	April	May	June	July	August	September	October	November	December
Sawmills	44,580	22,497	24,744	29,346	34,161	42,407	44,781	43,823	40,776	36,475	31,443	23,010	19,036
Pulp and paper	29,846	28,554	28,305	28,547	29,049	30,533	31,818	32,257	32,433	31,963	31,672	30,661	29,445
Railway rolling stock	23,858	23,234	25,262	25,984	26,266	25,709	24,930	24,832	23,449	22,151	22,325	21,346	20,474
Castings and forgings	20,706	19,793	20,908	21,535	22,140	22,250	21,611	20,761	20,542	20,508	20,205	19,045	19,193
Cotton, linen and cloth	19,526	19,210	18,627	19,335	20,541	20,068	20,781	19,824	19,509	19,040	19,112	17,414	16,322
Knives, cutlery, hammers and fabric gloves	16,337	17,871	18,113	18,201	18,413	17,506	16,303	16,016	17,809	16,325	16,445	16,546	16,576
Electrical apparatus and electric	15,915	14,193	14,350	14,501	15,030	15,185	15,268	15,329	16,440	17,034	17,711	17,246	16,223
Bread and other bakery products	15,749	14,765	14,959	15,437	15,405	15,569	15,706	15,847	15,357	15,791	15,655	15,262	15,275
Shoes (including footware)	15,527	15,521	15,536	15,765	15,653	16,249	16,052	16,224	15,569	15,078	15,177	14,664	14,132
Clothing, women's	14,069	13,523	15,159	15,321	15,646	15,021	14,686	15,174	14,864	15,618	15,526	14,702	13,715
Hats and shoes, leather	14,240	13,205	14,102	14,165	14,037	13,991	14,241	15,21	14,677	14,701	14,680	14,005	13,210
Automobiles	11,445	15,372	17,707	19,457	20,151	18,696	15,506	12,790	10,819	10,576	10,494	9,209	9,244
Furniture	11,689	11,331	11,576	11,743	11,746	11,855	11,779	11,852	11,859	12,047	12,215	12,229	11,731
Planing mills, ash and deer factories	11,586	10,158	10,252	10,666	11,139	11,819	12,102	12,400	12,225	12,008	11,834	11,597	10,126

Another view of the trend of employment is afforded by comparing the index numbers of employment in the manufacturing groups of industries by months for the calendar years 1922-1927, as presented in Table 12.

Table 12.- Index Numbers of employment in the manufacturing groups of industries by months, 1922-29.

Months	1922	1923	1924	1925	1926	1927	1928	1929
January	74.4	84.5	86.7	81.7	90.0	94.7	97.9	107.3
February	79.0	92.0	91.9	85.8	93.0	98.2	102.3	112.8
March	84.5	94.7	93.1	88.6	94.9	99.8	104.7	115.7
April	84.4	92.6	93.6	91.2	96.6	101.5	106.6	116.5
May	85.5	97.9	94.9	93.7	98.8	103.9	109.0	119.8
June	91.1	101.2	95.7	95.6	101.6	106.9	112.6	121.2
July	91.1	101.3	94.9	96.4	103.1	106.8	113.1	120.3
August	92.9	101.2	93.3	95.8	103.6	107.0	115.2	121.6
September	93.6	100.7	91.5	96.8	104.8	106.8	115.9	119.8
October	93.8	99.4	92.7	98.8	104.6	106.4	115.7	120.2
November	94.9	98.7	91.3	96.5	102.7	104.9	115.1	117.2
December	94.9	95.5	88.7	95.3	101.5	104.3	112.9	112.8





A classification of the manufacturing industries based on a chief component material classification is presented in Table 13 for the nine main groups into which manufactures have been divided. Each group is further divided into the industries which from their use of common raw materials fall into certain well defined classes. The principle of classification by chief component materials cannot, however, be applied to modern industry with absolute precision owing to the highly complex organization of present day industry. The table presents the principal statistics of each industry within the groups in such manner that further explanation is unnecessary.

Table 13.- Principal Statistics of the Manufacturing Industries of Canada, 1929 (Component material classification)

Name of Industry	Estab-lish-ments	Capital	Salaried Employees		Wage-earners		Cost of Materials	Value of Products		
			Male	Female	Salaries	Male		Females	Wages	Gross
1. Vegetable Products	No.	\$	No.	No.	\$	No.	No.	\$	\$	
Biscuits, confectionery, cocoa, chocolate, etc.	5,005	569,064,835	9,471	2,876	24,659,299	51,529	24,982	427,019,724	771,457,665	344,437,941
Bread and other bakery products	281	55,320,902	1,723	624	4,603,754	4,653	6,073	27,717,889	62,492,801	34,774,912
Breweries	2,568	48,969,603	846	428	1,784,168	13,632	2,117	38,507,559	77,214,466	38,706,907
Cigars and cigarettes	78	70,390,147	768	116	2,384,418	3,909	46	19,135,208	62,260,921	43,125,713
Coffee and spices	72	34,025,963	1,009	294	2,374,525	1,659	3,420	17,012,776	64,331,500	47,318,724
Distilleries	59	15,402,253	445	136	1,210,124	680	440	21,025,868	27,971,790	6,945,922
Feed and grist mills	20	60,211,220	289	72	1,071,776	1,442	416	12,928,920	43,752,420	30,823,500
Flour mills	916	6,558,329	29	11	53,979	1,269	1	20,369,239	23,874,360	3,505,121
Fruit and vegetable canning, evaporating, etc.	409	61,215,205	964	206	2,246,181	3,998	140	130,437,426	157,274,329	26,836,903
Ice cream cones	267	29,331,121	411	145	909,934	2,964	5,469	16,641,016	27,959,825	11,318,809
Linseed oil and oil cake	10	617,590	8	4	19,212	57	30	134,230	506,858	372,628
Macaronia and vermicelli	8	2,708,387	29	7	94,806	202	1	5,578,539	6,502,633	924,094
Malt mills	12	1,843,282	34	11	71,945	129	106	755,576	1,484,262	728,686
Maple syrup and sugar	7	8,292,857	62	7	143,190	166	-	4,207,063	6,227,312	2,020,249
Miscellaneous food industries	6	871,925	14	4	45,449	50	2	1,661,755	2,010,227	348,472
Miscellaneous vegetable products	65	11,199,684	238	92	607,693	598	280	6,250,354	13,063,475	6,813,121
Pickles, vinegar and cider	6	4,204,577	22	3	57,111	98	11	3,065,079	4,775,035	1,709,956
Rice Mills	65	9,641,864	159	44	462,626	773	679	6,183,319	22,072,691	5,889,372
Rubber footwear	4	906,272	15	2	43,204	40	-	1,231,944	1,422,623	190,679
Rubber tires and other rubber goods	10	17,179,935	632	205	1,310,308	4,416	2,772	9,532,099	29,357,924	19,825,825
Starch and glucose	34	56,697,543	1,119	303	2,846,660	6,999	1,350	33,408,648	67,576,736	34,168,088
Sugar refineries	5	5,745,922	51	20	155,545	418	15	3,641,501	5,504,685	1,863,184
Syrups	8	43,534,113	246	61	937,641	1,916	102	35,640,124	47,151,960	11,511,836
Tobacco, chewing, smoking and snuff	11	213,712	7	5	19,168	20	18	166,470	293,893	127,423
Wines and grape juice	37	16,067,061	280	65	1,030,614	1,157	1,449	8,643,755	20,833,706	12,189,951
	47	7,915,368	71	11	175,068	284	45	3,143,367	5,541,233	2,397,866

Handwritten notes at the top of the page, including a date and a title.

First main section of handwritten text, consisting of several lines.

Second main section of handwritten text, continuing the notes.

Third main section of handwritten text, appearing as a separate paragraph.

Fourth main section of handwritten text, located in the lower half of the page.

Final section of handwritten text at the bottom of the page, possibly concluding the document.



Table 13. - Principal Statistics of the Manufacturing Industries of Canada, 1929 (Cont'd.)

Name of Industry	Estab-lish-ments	Capital	Salaried Employees		Wage-earners		Cost of Materials	Value of Products		
			Male	Female	Salaries	Male		Female	Gross	Net
	No.	\$	No.	No.	\$	No.	No.	\$	\$	
2. Animal Products	4,490	243,825,065	8,707	1,954	16,921,301	41,209	15,800	45,160,122	477,761,855	132,409,973
Animal hair goods	6	747,592	16	7	63,478	76	27	81,984	788,013	465,421
Animal oils and fats	5	862,240	7	5	27,333	109	4	118,513	530,886	220,281
Beltting, leather	9	1,553,494	67	16	195,626	140	-	163,452	1,552,987	596,813
Boot and shoe findings	14	1,465,119	28	4	84,075	230	76	224,554	1,326,888	683,679
Boots and shoes, leather	191	31,028,229	966	357	2,617,404	8,652	5,588	12,413,697	48,627,590	23,116,859
Butter and cheese	2,767	47,907,462	3,526	656	4,646,465	7,449	241	8,062,961	126,703,195	32,841,737
Condensed milk	30	9,190,753	172	62	385,207	593	47	732,258	14,686,802	4,130,257
Fish curing and packing	730	28,644,442	583	77	951,669	9,493	6,214	4,460,186	34,966,260	13,469,401
Fur dressing and dyeing	10	1,475,497	60	8	187,414	549	103	633,776	1,916,313	1,688,673
Fur goods	224	12,863,189	416	192	1,122,241	1,230	1,209	2,839,892	18,944,726	6,324,549
Gloves and mittens, leather	49	3,543,130	455	54	336,175	632	864	1,069,625	4,932,534	2,084,695
Harness and saddlery	195	4,111,709	130	33	234,529	589	48	599,589	3,383,195	1,434,034
Human hair goods	3	41,173	1	1	2,179	6	7	12,161	29,469	16,784
Leather goods, n.e.s.	40	1,507,757	80	47	224,946	292	326	512,475	2,637,076	1,390,305
Leather, tanned, etc.	86	27,059,201	237	57	824,047	2,929	90	3,110,836	25,807,165	7,741,562
Sausages and sausage casings	38	1,156,104	34	8	85,728	201	19	253,523	2,377,661	657,819
Slaughtering and meat packing	74	67,777,803	2,154	345	4,724,682	7,434	829	9,274,034	185,842,902	34,028,385
Trunks, bags, etc.	19	2,890,171	75	25	208,103	605	108	596,606	2,708,193	1,518,699
3. Textile Products	1,891	383,153,797	6,635	3,391	19,555,354	42,178	63,416	86,340,883	426,247,587	205,943,337
Awnings, tents and sails	59	2,299,260	83	38	190,631	241	208	427,475	2,496,433	1,147,814
Bags, cotton and jute	20	6,638,759	91	31	319,301	297	638	701,664	12,613,905	2,197,325
Batting	8	2,765,650	50	25	195,520	136	94	228,745	2,711,855	1,088,567
Carpets, mats and rugs	22	6,446,734	172	42	461,360	696	383	1,002,325	5,434,555	2,874,875
Clothing, men's factory	205	28,493,549	1,009	411	2,596,523	4,811	5,275	10,774,894	50,580,168	24,926,195
Clothing, women's factory	461	25,087,862	1,163	792	3,802,392	4,011	11,058	13,326,029	66,346,417	31,787,557
Cordage, rope and twine	13	13,066,423	91	22	300,344	857	389	1,211,840	11,798,165	3,999,272
Corsets	17	5,327,991	155	165	386,787	87	998	697,444	4,219,019	2,120,668
Cotton and wool waste	7	1,122,818	20	9	65,737	158	77	232,182	2,645,184	708,954
Cotton textiles, n.e.s.	23	1,364,130	52	34	150,005	107	324	322,971	2,159,568	897,804
Cotton thread	6	4,190,130	73	29	195,720	190	488	493,519	4,321,584	2,295,629
Cotton yarn and cloth	36	95,542,319	575	120	1,612,847	11,369	8,157	15,058,940	78,241,765	35,108,190
Dyeing, cleaning and laundry work	374	26,839,632	641	436	1,921,760	4,634	6,995	10,026,796	26,559,285	23,155,616
Flax, dressed	11	207,964	5	-	6,035	105	-	32,659	126,262	99,045





Table 13.- Principal Statistics of the Manufacturing Industries of Canada, 1929 (Cont'd.).

Name of Industry	Estab-lish-ments	Capital		Salaried Employees		Wages-earners		Cost of Materials	Value of Products	
		No.	\$	Male	Female	Male	Female		Gross	Net
3. Textile Products (Cont'd.)										
Furnishing goods, men's	162	19,654,505		600	292	1,346	7,652	17,848,021	30,581,862	12,733,841
Hats and caps	152	7,709,270		375	204	1,584	2,499	7,710,546	15,523,376	7,812,830
Hosiery, knit goods and fabric gloves	168	66,489,608		771	491	5,873	12,474	31,193,505	61,097,752	29,904,247
Linen goods	3	943,875		14	10	70	101	250,735	502,860	252,125
Miscellaneous textiles, n.e.s.	5	3,101,714		43	7	153	133	2,114,317	2,712,134	597,817
Oiled and waterproof clothing	19	1,186,464		32	17	133	146	706,706	1,354,314	647,608
Silk goods	23	28,278,657		255	102	1,653	2,362	6,091,124	14,476,080	8,384,956
Woollen cloth	44	20,016,292		235	73	2,132	1,705	9,231,712	16,241,194	7,009,482
Woollen textiles, n.e.s.	26	8,680,289		82	22	794	243	3,348,836	6,476,608	3,127,772
Woollen yarns	27	7,699,902		48	19	741	1,017	3,962,096	7,027,242	3,065,146
4. Wood and Paper Products	7,405	1,152,075,234		16,284	4,958	131,186	11,754	314,203,269	725,819,740	411,616,451
Beekkeepers' and Poultrymen's supplies	5	71,415		2	1	19	-	86,143	130,869	44,726
Blueprinting	15	213,085		15	4	65	9	134,444	371,485	237,041
Boats and canoes	118	2,830,363		69	15	820	8	675,489	2,294,135	1,618,646
Boxes and bags, paper	128	21,176,098		521	209	2,089	2,673	12,065,490	22,707,699	10,642,209
Boxes and packing cases	126	11,185,807		238	48	3,014	279	5,214,702	10,357,055	5,142,353
Carriages, wagons and sleighs	334	9,794,179		163	32	2,122	8	5,268,973	9,886,699	4,617,726
Carriage and wagon materials	6	692,751		14	4	128	-	330,928	639,107	308,179
Clothes pins	3	235,674		5	-	162	43	98,710	427,837	329,127
Coffins and caskets	36	3,608,383		64	12	580	99	1,312,374	3,185,338	1,872,964
Cooperage	82	2,472,749		35	9	107,312	3	2,573,766	3,829,553	1,255,787
Excelsior	8	269,866		5	3	5,678	24	98,224	245,018	146,794
Furniture and upholstering	367	41,851,682		871	322	2,514,638	483	17,735,090	44,136,176	26,401,086
Isasts, trees and pegs	13	1,363,388		48	17	134,618	154	246,495	1,329,651	1,083,156
Lithographing and engraving	122	21,918,581		703	378	2,649,705	1,321	6,544,369	21,682,265	15,137,896
Miscellaneous wood products	160	5,138,149		112	38	306,949	62	1,819,664	4,586,457	2,766,793
Paper goods, n.e.s.	40	6,173,098		144	99	470,779	206	4,237,803	8,090,932	3,853,129
Planing mills, sash and door factories, etc.	744	58,429,538		1,299	247	2,853,220	113	31,679,452	56,592,056	24,912,633
Printing and bookbinding	910	43,506,712		1,557	573	4,409,514	2,679	13,761,259	43,748,715	29,981,456
Printing and publishing	767	65,736,238		4,965	1,805	11,478,893	1,564	16,424,412	73,673,338	57,248,926
Pulp and paper	108	644,773,806		3,104	634	9,391,901	869	96,874,749	243,970,761	147,096,312





Table 13.- Principal Statistics of the Manufacturing Industries of Canada, 1929 -(Cont'd.)

Name of Industry	Estab-lish-ments	Capital	Salaried Employees				Wage-earners			Cost of Materials	Value of Products	
			Male	Female	Salaries	No.	Male	Female	Wages		Gross	Net
4. Wood and Paper Products (Cont'd)	No.	\$	No.	No.	\$	No.	No.	No.	\$	\$	\$	\$
Roofing paper, wallboard, etc.	11	7,439,641	156	51	511,220	337		6	434,632	3,018,273	6,111,663	3,093,390
Saw mills	3,161	181,586,699	1,643	243	3,892,151	44,501		79	32,265,404	83,743,952	146,989,564	63,245,612
Sporting goods	23	2,022,334	49	27	99,246	343		106	406,726	943,709	2,184,022	1,240,313
Stationery and envelopes	34	5,179,903	218	97	622,606	436		745	1,022,379	4,111,459	7,014,573	2,903,114
Stereotyping and electrotyping	29	1,494,658	67	29	179,905	310		6	505,264	170,616	1,366,652	1,196,036
Woodenware	10	1,101,742	32	6	107,598	402		22	292,157	425,660	1,017,530	591,870
Wood-turning	33	1,718,051	38	13	82,076	516		84	404,520	486,796	1,457,714	970,918
All other industries	12	10,090,644	147	42	569,182	1,228		109	1,238,845	4,120,285	7,792,844	3,672,559
5. Iron and its Products	1,169	754,989,105	12,363	3,542	33,405,489	113,031		3,345	153,523,211	384,925,660	738,012,980	353,087,320
Agricultural implements	62	103,356,773	1,334	431	3,323,356	9,534		109	11,452,533	19,016,981	40,659,479	21,642,498
Automobiles	17	98,378,301	1,687	603	5,227,608	13,922		223	21,637,200	120,332,694	177,315,593	56,982,899
Automobile supplies	65	19,401,890	401	129	1,178,742	3,878		300	5,532,692	19,045,836	31,965,078	12,919,242
Bicycles and motorcycles	3	2,534,749	126	39	201,561	386		39	535,849	1,132,219	2,470,383	1,338,164
Boilers, tanks and engines	37	10,665,197	305	60	792,414	1,789		3	2,251,354	5,091,406	10,066,278	4,914,872
Castings and forgings	336	102,900,796	2,000	647	5,768,144	20,467		329	25,086,510	35,994,441	91,575,146	55,580,705
Hardware and tools	127	37,334,436	645	238	1,921,321	5,507		869	6,496,516	9,071,258	27,658,312	18,587,054
Iron and steel products, n.e.s.	61	14,719,791	576	100	1,332,415	2,980		8	3,929,881	8,451,363	17,152,169	8,700,806
Machinery	169	75,226,204	1,822	614	4,700,846	9,746		253	12,391,072	22,264,416	65,692,539	43,428,123
Railway rolling stock	35	94,415,563	1,521	109	3,633,974	23,823		35	34,677,205	74,156,037	126,487,037	52,331,000
Sheet metal products	152	49,080,661	997	340	2,530,928	7,085		864	8,697,242	28,076,595	53,151,698	25,075,103
Steel and rolled products	45	109,446,529	597	115	1,746,020	10,479		27	16,788,661	32,514,596	72,231,995	39,717,399
pig iron, ferro-alloys, etc.												
Wire and wire goods	60	37,528,215	352	117	1,048,160	3,435		286	4,046,496	9,777,818	21,647,273	11,869,455
6. Non-Ferrous Metal Products	408	298,721,106	5,608	2,017	14,285,983	27,456		4,786	40,215,823	124,900,632	283,545,666	158,645,034
Aluminum products	14	5,264,388	70	13	168,432	562		78	761,784	2,754,726	4,263,801	1,509,075
Brass and copper products	102	27,431,520	891	214	1,917,786	4,668		459	5,882,805	21,118,038	36,115,581	14,997,543
Electrical apparatus and supplies	139	101,767,108	3,503	1,452	8,886,486	12,352		3,564	17,838,729	49,623,322	113,796,002	64,172,680
Lead, tin and zinc products	28	5,988,683	100	61	270,844	501		93	658,451	4,757,366	6,466,168	1,708,802
Miscellaneous non-ferrous metal products												
Non-ferrous metal smelting and refining	17	788,359	46	6	130,813	142		42	214,432	317,130	1,116,053	798,923
Precious metal products	10	146,699,085	621	63	1,753,840	7,408		27	12,018,553	41,416,446	109,854,468	68,438,022
	98	10,781,963	377	208	1,157,782	1,823		523	2,841,069	4,913,604	11,933,593	7,019,909





Table 13.- Principal Statistics of the Manufacturing Industries of Canada, 1929 (Cont'd.)

Name of Industry	Estab-lish-ments	Capital		Salaried Employees		Wage-earners		Cost of Materials	Value of Products	
		Male	Female	Male	Female	Male	Female		Gross	Net
	No.	No.	No.	No.	No.	No.	No.	\$	\$	\$
7. Non-metallic Mineral Products	1,188	3,212	763	7,838,959		930		117,149,130	242,023,518	124,874,308
Abrasive products	12	74	27	239,725		6		2,905,928	8,961,951	6,056,023
Aerated and mineral waters	345	442	95	865,001		104		4,576,027	12,249,218	7,673,191
Asbestos and allied products	12	48	17	132,287		22		1,348,460	2,286,638	930,178
Cement	11	114	10	260,579		-		-	19,337,235	19,337,235
Cement products	153	176	18	335,906		3		1,502,952	4,419,417	2,916,465
Clay products from domestic clay	196	365	50	941,445		-		-	13,904,643	13,904,643
Clay products from imported clays	15	67	24	250,835		83		992,150	3,373,038	2,380,888
Coke and gas products	43	652	237	1,469,347		4		18,517,214	39,910,443	21,393,229
Glass products	60	290	91	782,026		385		5,355,156	15,507,442	10,152,286
Lime	53	91	18	158,604		-		-	5,908,610	5,908,610
Miscellaneous non-metallic products	23	115	43	389,362		250		2,035,905	6,000,697	3,964,792
Petroleum products	25	445	65	1,253,174		24		76,861,939	99,408,314	22,546,375
Salt	8	41	12	102,502		42		-	1,578,086	1,578,086
Sand-lime brick	12	23	2	61,691		1		264,465	953,726	689,261
Stone, ornamental and monumental	220	269	54	596,475		6		2,788,934	8,224,060	5,435,126
8. Chemicals and Chemical Products	554	3,286	1,280	9,527,502		2,738		55,184,337	138,545,221	83,360,884
Acids, alkalies, salts and	15	335	26	820,290		8		6,301,121	28,021,972	21,720,851
Compressed gas	15	54	15	140,716		6		961,121	28,021,972	-
Adhesives	13	54	15	85,116		10		962,940	1,830,644	867,704
Coal tar and its products	10	26	5	307,175		1		2,658,555	3,818,050	1,159,495
Explosives, ammunition and fireworks	8	122	8	81,767		286		3,960,702	10,828,778	6,868,076
Fertilizers	12	36	11	303,717		-		1,450,253	2,258,780	808,527
Flavouring extracts	23	112	45	444,440		114		1,013,402	1,810,896	797,494
Gases, compressed	27	202	90	450,780		6		785,377	3,967,416	3,182,039
Inks	22	107	31	2,011,415		26		1,097,315	3,038,049	1,940,734
Medicinal and pharmaceutical prep.	140	633	381	2,011,415		1,046		6,300,894	19,038,894	12,738,000
Miscellaneous chemical industries	69	296	166	906,558		417		4,289,921	10,108,398	5,818,477
Paints, pigments and varnishes	69	689	220	2,191,585		230		12,424,829	27,103,465	14,688,636
Polishes and dressings	29	48	21	133,607		55		630,861	1,356,223	725,362
Soaps and washing compounds	61	491	157	1,263,324		271		11,002,034	19,218,726	8,216,692
Toilet preparations	49	100	104	355,327		268		1,577,642	4,451,588	2,673,946
Wood distillates and extracts	7	16	-	31,685		-		738,491	1,693,342	954,851





Table 13.- Principal Statistics of the Manufacturing Industries of Canada, 1929 (Cont'd.).

Name of Industry	Estab-lish-ments	Capital		Salaried Employees		Wage-earners		Cost of Materials	Value of Products	
		Male	No.	Female	Salaries	Male	No.		Gross	Net
9. Miscellaneous industries	No.									
Advertising and other novelties	463	2,721	725		7,667,233	15,570	2,033	42,982,071	103,073,662	60,091,591
Aeroplanes	11	19	18		43,834	60	82	230,226	541,421	311,195
Artificial feathers and flowers	4	36	18		180,972	154	9	727,832	1,040,845	313,013
Bridge building	7	13	15		34,783	11	76	103,792	258,556	154,764
Brooms, brushes and mops	10	921	107		2,599,382	3,949	-	14,557,679	34,179,488	19,621,809
Buttons	78	187	76		492,843	968	254	2,004,893	4,497,926	2,493,033
Candles and tapers	13	41	15		131,422	211	191	278,825	955,256	676,431
Fountain pens	10	10	3		30,073	41	23	201,902	394,152	192,250
Ice, artificial	6	72	30		200,132	144	118	954,917	2,845,864	1,694,967
Jewel cases and silverware cabinets	31	39	11		101,428	248	5	76,919	1,482,778	1,405,659
Mattresses and springs	6	11	13		90,611	62	54	125,985	353,077	227,092
Motion picture films	66	214	74		709,035	1,365	273	5,545,242	10,906,703	5,361,461
Musical instruments and materials	6	54	16		103,376	65	22	335,902	700,442	364,540
Refrigerators	42	263	92		707,750	2,197	182	6,802,758	13,505,238	6,702,400
Regalia and society emblems	10	30	12		77,509	251	4	537,621	1,336,590	798,969
Scientific and professional equipment	12	10	12		33,369	23	42	96,608	251,341	154,753
Shipbuilding and repairs	23	128	76		443,647	455	294	3,199,528	8,163,651	4,964,123
Stamps and stencils	41	509	62		1,283,606	4,715	11	5,607,297	17,493,025	11,885,720
Statuary, art goods and church supplies	30	57	23		145,529	195	9	112,146	739,733	627,587
Store and display fixtures	28	35	19		87,740	184	176	444,073	1,251,663	807,610
Toys and games	3	12	5		25,347	81	6	158,447	321,394	162,847
Typewriter supplies	10	10	3		22,068	83	39	157,411	426,318	268,807
Umbrellas	4	26	14		115,749	43	23	330,300	707,399	377,077
All other industries	9	20	11		58,207	45	131	355,688	604,863	245,175
	3	4	-		8,921	20	9	36,080	111,899	75,619
10. Central Electric Stations	1,024	5,505	1,309		11,512,782	9,350	-	34,615,939 <sup>1</sup>	157,499,385	122,865,446

1/ Cost of electric energy purchased by Central Electric Stations from central electric stations for resale.





Table 14.- Fuel Consumption by Provinces and Groups of Industries, 1929.

	Bituminous Coal		Anthracite Coal	Lignite Coal	Coke	Gasoline	Oil (Fuel)	Wood	Gas	All other Fuel	Total Cost
	Quantity	Value									
	Tons	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Prince Edward Island	12,466	76,443	636	119	4,287	2,167	10,702	10,926	-	10	105,290
Nova Scotia	353,390	1,721,093	19,035	803	223,415	21,552	525,329	69,615	603,665	13,320	3,197,827
New Brunswick	261,808	1,346,426	12,498	139	29,846	11,045	64,998	196,163	18,624	1,284	1,681,023
Quebec	2,067,638	12,285,535	1,013,973	43,412	424,047	85,196	2,337,402	709,505	611,930	101,996	17,613,796
Ontario	3,697,929	20,011,976	841,534	47,310	1,393,641	180,513	3,278,529	964,945	4,045,553	572,661	31,336,962
Manitoba	178,985	1,334,774	82,343	441,628	71,131	18,617	231,282	231,212	147,305	20,369	2,572,661
Saskatchewan	88,961	601,298	10,682	753,904	78,273	31,091	455,562	51,643	177,031	13,222	2,172,706
Alberta	145,728	541,862	348	461,539	23,427	23,765	125,257	32,048	460,178	10,107	1,678,531
British Columbia and Yukon	255,329	1,396,316	5,283	10,561	106,475	95,256	1,749,430	427,572	156,561	119,239	4,066,693
C A N A D A	7,062,234	39,315,723	1,986,332	1,759,415	2,354,542	470,302	8,778,491	2,693,629	6,214,847	852,208	64,425,489
Industrial Groups											
Vegetable products	709,319	3,718,814	509,436	187,946	477,733	97,716	761,040	505,851	692,583	143,767	7,094,880
Animal products	356,134	2,108,686	49,041	166,180	42,104	39,085	190,624	500,952	688,352	67,730	3,232,754
Textiles and textile products	471,389	2,952,181	199,865	54,399	46,037	18,556	92,575	55,791	89,273	49,285	3,557,962
Food and paper products	2,020,532	11,532,879	714,533	33,224	23,389	133,139	837,021	811,176	160,551	185,865	14,431,777
Iron and steel products	1,209,714	5,945,548	286,614	199,456	612,179	72,470	2,420,758	77,467	1,975,220	189,340	11,779,052
Non-ferrous metal products	356,864	2,206,024	52,533	5,497	262,505	35,843	1,168,347	8,132	185,592	8,000	3,932,473
Non-metallic mineral products	1,373,331	7,852,484	72,025	108,710	774,020	28,691	2,334,632	662,608	2,905,627	143,248	14,882,045
Chemicals and chemical products	305,350	1,551,275	49,245	3,470	71,771	1,871	69,460	14,166	26,545	53,545	1,841,368
Miscellaneous industries	63,884	407,292	23,932	240	44,804	10,643	108,851	7,884	52,726	2,403	658,775
Central electric stations	195,717	1,040,538	29,108	1,000,293	-	32,288	795,163	49,602	58,378	9,025	3,014,395
Total fuel used in the manufacturing industries of Canada:											
1929	7,062,234	39,315,723	1,986,332	1,759,415	2,354,542	470,302	8,778,491	2,693,629	6,214,847	852,208	64,425,489
1928	6,639,736	37,871,736	2,070,969	1,572,452	1,819,347	448,616	7,300,552	2,439,104	5,434,805	803,666	59,761,267
1927	6,470,803	36,053,827	2,435,720	1,333,131	3,890,378	420,437	7,220,529	2,492,495	5,272,735	98,966	60,103,210
1926	6,409,227	36,723,359	2,266,935	578,651	4,176,584	860,303	7,371,769	2,645,505	4,233,073	839,788	59,695,997
1925	5,902,197	34,034,531	2,564,489	658,287	5,045,239	766,712	7,246,961	2,700,977	3,570,180	1,231,325	57,818,701





The statistics of power equipment in the manufacturing industries of Canada are presented in Table 15. These comprise all of such industries operating during 1929, and include central electric stations which produce electric energy for driving the machinery of other industries and for lighting purposes. The equipment driven by electricity purchased from central electric stations is shown in column 5 and so as to show only net figures in column 8 for the total power equipment employed, the amount in column 5 marked # have been excluded from the totals in column 8. The total equipment for each of the groups of industries except central electric stations, includes the motors driven by such purchased power.

Table 15.- Power Equipment of Manufacturing Industries of Canada, by Provinces and Groups of Industries, 1929.

	Steam engines and Turbines	Internal Combustion Engines	Hydraulic Turbines or Water Wheels	Total Primary Power	Electric Motors Operated by purchased power	Electric Motors Operated by power generated by establishment	Total Electric Motors	Total Power Equip- ment in manufactur- ing industries
Prince Edward Island	H.P. 4,205	HP. 1,272	H.P. 1,948	H.P. 7,425	H.P. 540#	H.P. 395	H.P. 935	H.P. 7,325
Nova Scotia	118,764	3,938	56,516	179,218	31,567#	44,028	75,595	179,218
New Brunswick	71,969	3,700	98,617	174,286	35,159#	2,865	45,024	174,286
Quebec	209,954	8,060	2,481,780	2,699,794	992,845#	118,807	1,111,652	2,699,794
Ontario	324,030	37,787	1,849,275	2,211,092	997,525#	470,487	1,468,012	2,211,092
Manitoba	45,861	3,371	310,958	360,190	99,859#	697	100,556	360,190
Saskatchewan	74,680	16,438	-	91,118	14,863#	128	14,991	91,118
Alberta	96,904	6,301	51,544	154,749	30,416#	5,066	35,482	154,749
British Columbia	169,415	10,662	513,789	693,866	190,910#	91,381	282,291	693,866
C A N A D A	1,115,782	91,529	5,364,427	6,571,738	2,393,684#	740,854	3,134,538	6,571,738 1/
Vegetable products	57,804	12,876	39,911	110,591	215,755	24,458	240,213	326,346
Animal products	24,203	5,597	1,728	31,528	69,740	3,098	72,838	101,268
Textiles and textile products	26,198	1,203	33,280	60,681	107,933	28,601	136,534	168,614
Food and paper products	439,978	15,385	483,781	939,144	1,083,695	313,398	1,397,093	2,022,839
Iron and steel products	144,326	21,006	4,779	170,111	359,051	326,134	685,185	529,162
Non-ferrous metal products	19,726	250	69,585	88,561	262,191	24,910	287,101	351,752
Non-metallic mineral products	30,736	3,618	4,025	38,379	172,425	13,523	185,948	210,804
Chemicals and allied products	17,540	335	8,320	26,195	57,740	6,732	64,472	83,935
Miscellaneous industry products	7,630	384	91	8,105	65,154	-	65,154	73,259
Central electric stations	347,641	30,875	4,718,927	5,097,443	-	-	-	5,097,443
TOTALS	1,115,782	91,529	5,364,427	6,571,738	2,393,684#	740,854	3,134,538	6,571,738 1/
1929	1,053,307	83,864	5,102,784	6,239,955	2,139,129#	457,565	2,596,694	6,239,955 1/
1928	1,038,931	79,753	4,562,607	5,681,291	1,924,687#	386,555	2,311,242	5,681,291 1/
1927	1,018,535	78,554	4,213,013	5,310,102	1,770,334#	392,322	2,162,656	5,310,102 1/
1926	992,916	77,435	4,012,756	5,083,107	1,547,754#	434,678	1,982,432	5,083,107 1/

1/ in order to avoid duplication the amount of purchased power used by the first nine groups is not included in the total power equipment since this power has already been shown under power equipment of central electric stations.





## MANUFACTURES OF CANADA, 1929.

The statistics of manufactures in urban municipalities having 3 or more establishments and a gross value of production of \$1,000,000 or over in the calendar year 1929, are presented in Table 16. In the 229 urban municipalities included in the table the value of manufactured products amounted to \$3,525,872,979 in a total for the whole of Canada of \$4,063,987,279 or 86.8 per cent, though the number of establishments represented but 49.9 per cent of the total. Capital investment in the 229 urban municipalities was 77.8 per cent of the total for the Dominion; the number of persons employed, 84.5 per cent, the cost of salaries and wages, 88.8 per cent and the cost of materials 87.8 per cent.

Table 16.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1929.

Cities and Towns	Estab- lish- ments	Capital	Employ- ees.	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>P.E. Island</u>						
Charlottetown	31	2,088,981	464	466,015	1,114,034	2,112,410
<u>Nova Scotia</u>						
Sydney	30	40,943,442	2,313	3,523,329	8,863,116	19,429,966
Dartmouth	14	16,735,609	914	1,286,384	12,353,759	16,160,775
Halifax	111	34,257,910	4,132	4,548,583	5,701,791	15,988,940
Prenton	3	8,653,280	1,391	1,943,609	7,766,896	11,603,045
Bruro	29	5,031,296	955	738,857	2,100,055	3,935,124
Amherst	25	5,040,940	770	788,625	1,168,839	2,665,143
Armourth	30	3,153,081	518	461,549	1,289,043	2,566,450
New Glasgow	30	2,685,368	719	723,285	832,413	2,291,640
Windsor	12	2,431,969	311	216,642	577,197	1,124,014
<u>New Brunswick</u>						
Saint John	126	26,888,010	3,630	3,746,028	14,210,579	23,201,405
Moncton	40	8,158,386	2,419	3,071,413	4,258,123	8,497,214
Edmunston	10	10,162,725	666	706,319	2,352,582	5,183,329
St. Catharines	14	9,618,254	602	833,430	1,756,151	3,598,439
St. Stephen	17	2,670,985	598	560,686	1,610,494	2,902,944
Fredericton	29	3,807,991	621	583,949	1,123,565	2,355,521
Campbellton	12	3,039,703	345	311,391	645,986	1,348,682
St. John's	12	1,632,009	453	466,849	418,374	1,276,371
Milltown	3	2,605,040	691	532,211	547,127	1,120,524
<u>Quebec</u> <sup>1/</sup>						
Montreal	1,818	554,500,877	112,338	131,969,796	337,105,620	637,906,135
Three Rivers	56	84,985,634	7,002	7,792,197	18,045,761	42,477,807
Lawinigan Falls	24	175,265,816	3,591	5,135,068	17,130,956	40,746,648
Quebec	244	68,054,042	10,076	9,854,134	17,184,311	39,826,822
Montreal East	5	31,100,360	1,998	3,069,618	16,306,359	25,911,456
St. Salle	6	22,427,694	1,186	1,706,028	8,990,376	25,837,602
Chine	29	28,112,579	3,554	5,946,077	9,106,195	25,431,899
Brooklee	74	23,754,176	4,962	5,040,411	10,697,613	23,154,974
St. Anby	28	10,372,455	3,009	2,531,466	4,883,452	12,481,792
St. d'Alfred	3	39,012,823	994	1,515,530	5,690,109	10,348,787
St. leyfield	28	12,421,780	2,751	2,104,596	3,647,825	10,261,077
St. ummondville	16	19,483,310	2,321	2,045,538	5,046,442	10,148,276
St. ll	37	10,815,418	2,146	2,370,946	4,184,714	9,930,547
St. og	14	6,600,421	1,641	1,318,081	6,243,932	9,011,909
St. Jean	42	9,653,654	3,185	3,208,164	4,008,115	8,910,962
St. Jerome	26	8,706,996	2,277	1,995,726	2,917,330	8,866,672
St. Hyacinthe	47	9,977,327	2,573	1,912,098	4,484,954	8,166,801
St. and Mere	14	20,380,121	1,228	1,754,216	2,355,759	6,253,169
St. ogami	3	16,374,798	816	1,369,589	2,296,256	6,058,064
St. Tuque	13	11,963,412	821	1,234,427	1,953,850	4,790,575
St. Angus	7	8,613,280	738	832,862	2,522,239	4,484,553
St. tmount	13	3,571,758	860	1,242,964	1,434,470	4,283,884
St. oeil	9	4,407,462	244	313,116	1,073,771	3,837,471
St. nacona	3	12,242,971	614	977,330	1,312,119	3,833,697





## MANUFACTURES OF CANADA, 1929.

Table 16.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000, or over, and with 3 or more establishments, 1929 (Cont'd.)

Cities and Towns	Estab- lish- ments	Capital	Employ- ees.	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>Quebec (cont'd.)</u>						
Victoriaville	23	2,675,628	1,280	1,061,700	1,617,828	3,775,862
Verdun	16	3,770,614	811	893,842	1,501,282	3,246,287
St. Joseph d'Alma	5	15,732,287	508	852,881	753,207	3,134,200
Outremont	6	2,412,944	674	807,358	1,328,146	2,961,938
Brownsburg	3	3,179,320	531	528,117	1,091,853	2,881,187
Beauharnois	8	6,825,732	581	691,996	1,188,901	2,860,647
Joliette	39	2,445,030	717	582,772	1,170,822	2,695,603
Cowansville	11	2,603,172	622	611,758	1,328,123	2,627,827
St. Pierre	6	3,054,691	457	553,104	779,643	2,518,041
Longueuil	10	3,344,674	328	479,548	830,441	2,259,760
Sorel	20	2,928,121	1,496	1,248,088	686,941	2,220,534
Buckingham	13	3,448,887	489	402,662	1,101,435	2,212,726
Windsor	11	6,029,464	663	809,553	1,079,324	2,211,437
Chicoutimi	26	9,108,005	576	623,294	825,353	2,123,073
Bromptonville	3	5,889,156	185	230,132	1,031,853	1,957,083
Lauzon	6	2,093,058	374	468,040	646,478	1,857,236
Coaticook	20	2,443,756	685	436,040	1,112,579	1,823,620
Chandler	4	2,983,227	410	473,594	753,938	1,797,864
Delson	4	1,703,085	445	448,152	394,681	1,588,647
Asbestos	9	1,239,460	183	118,384	1,057,012	1,355,849
Rock Island	13	2,247,260	362	326,573	541,819	1,295,868
Berthier	12	7,021,971	424	356,816	619,620	1,276,024
St. Remi	11	353,686	95	60,181	977,925	1,184,526
Montmagny	13	2,358,337	460	389,707	448,976	1,170,947
Cap de la Madeleine	8	381,269	90	54,169	773,114	1,125,807
Jonquiere	10	1,831,069	224	302,321	504,610	1,068,830
Portneuf	10	1,408,589	216	166,609	576,955	1,067,683
Loretteville	21	1,114,421	452	333,428	596,384	1,056,706
Laprairie	8	7,456,467	438	459,840	52,570	1,049,434
Rimouski	9	3,208,902	303	330,479	508,167	1,045,601
Marieville	12	886,745	485	335,095	749,497	1,031,676
Acton Vale	10	722,429	234	135,943	500,520	1,008,800
St. Laurent	8	1,286,082	345	442,874	453,895	1,003,002
<u>Ontario</u>						
Toronto	2,236	549,328,334	102,406	133,722,929	304,208,614	593,253,569
Hamilton	416	221,427,642	35,375	47,535,648	94,404,240	197,949,081
Oshawa	39	35,545,303	7,182	11,034,499	43,619,954	66,317,911
Walkerville	56	42,453,046	5,973	9,917,274	35,991,419	64,203,495
East Windsor	13	41,898,796	6,697	11,254,764	33,943,575	59,617,888
London	231	47,413,765	10,134	11,996,633	21,102,010	50,346,829
Kitchener	136	40,931,499	9,559	10,518,382	23,005,798	50,314,798
Niagara Falls	64	46,529,499	3,370	4,967,892	26,269,857	49,890,515
Peterboro	80	26,206,623	5,727	6,140,108	21,254,539	37,788,540
Ottawa	202	56,543,292	8,604	10,578,982	16,180,685	36,098,047
Brantford	99	64,204,660	8,424	9,689,185	17,073,251	35,394,506
Sarnia	42	27,836,801	3,064	4,624,895	22,745,061	32,126,714
New Toronto	13	25,683,963	3,314	4,890,197	19,061,957	31,217,314
Sault Ste. Marie	46	61,726,462	2,527	4,511,597	13,933,100	29,768,172
Windsor	137	25,752,114	3,975	6,033,844	12,932,606	26,773,730
Welland	41	22,438,592	3,342	3,963,281	13,020,710	24,288,295
Leaside	8	12,976,084	1,816	2,908,683	14,910,791	21,377,821
Guelph	92	18,532,718	4,799	5,152,525	9,924,762	19,970,647
St. Catharines	105	19,169,616	4,323	5,245,579	8,742,568	19,645,506
Chatham	56	15,531,405	2,374	3,178,817	11,734,352	18,835,937

1/ The towns of Foster and Montmorency with a total production of \$5,944,003 are not included in the totals of the leading cities and towns, having less than three establishments reporting.

— 170 —

• 56 •

10

•

• • •

• • • • •

•

•

•

•



## MANUFACTURE OF CANADA, 1929.

Table 16.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1929 -(Cont'd.)

Cities and Towns	Estab- lish- ments	Capital	Employ- ees.	Salaries and Wages	Cost of Materials	Gross Value of Products
Ontario (Cont'd.)	No.	\$	No.	\$	\$	\$
Galt	79	17,792,971	4,410	4,842,422	7,758,062	16,936,876
Cornwall	40	29,114,661	3,960	3,871,376	6,248,499	15,470,566
Pt. Colborne	15	11,250,012	713	1,033,857	11,248,953	14,862,832
Stratford	61	10,856,591	3,109	3,966,280	7,655,197	14,103,331
Woodstock	55	12,398,244	2,895	3,119,989	6,952,852	13,615,098
Thorold	17	28,921,190	1,471	2,399,864	5,577,520	12,807,000
Brockville	36	7,884,314	1,084	1,209,351	9,808,669	12,750,990
Fort William	38	29,319,893	1,260	1,633,112	5,767,321	11,578,386
Wallaceburg	20	7,122,347	1,236	1,570,930	6,398,709	9,999,782
Waterloo	36	12,297,234	1,502	1,738,738	3,881,690	9,809,148
Iroquois Falls	3	24,138,504	1,118	2,056,484	2,789,972	9,510,678
Kenora	18	18,301,969	628	877,413	5,396,933	8,728,065
Port Arthur	20	19,288,833	1,198	1,737,796	2,433,341	8,681,263
Fergus	13	1,599,616	746	821,819	2,627,718	8,463,547
Kapuskasing	8	30,138,117	1,198	1,810,464	2,822,560	8,135,078
Kingston	56	13,499,366	1,656	1,927,953	3,501,936	7,614,965
Preston	35	6,884,254	1,775	2,010,745	3,122,408	6,921,367
Bellefleur	54	10,005,427	1,457	1,492,116	1,689,753	6,342,392
Fort Francis	14	14,589,169	773	1,163,878	2,535,177	6,216,917
Owen Sound	55	7,892,208	1,909	1,865,308	2,617,212	5,975,858
Simcoe	32	4,134,092	737	626,339	3,186,535	5,806,350
Leamington	17	3,691,305	571	559,743	2,655,482	5,680,239
St. Thomas	48	4,378,482	1,218	1,267,892	2,719,546	5,322,017
Pembroke	37	5,152,793	1,322	1,120,807	2,805,932	5,130,055
Goderich	20	2,318,378	369	349,516	3,825,849	4,839,295
Lawkesbury	11	6,102,063	816	918,144	2,402,071	4,710,129
Shippewa	4	1,178,069	259	391,447	948,786	4,599,432
Sandwich	12	7,862,073	969	1,497,095	801,493	4,464,974
Veston	15	4,467,502	1,075	1,333,144	1,973,670	4,403,914
Midland	18	3,259,269	755	838,095	2,921,252	4,270,258
Elmira	14	2,315,353	775	773,474	1,441,516	4,073,037
Ingersoll	23	4,283,506	841	933,496	2,055,137	4,007,279
Acton	14	2,554,758	460	512,121	2,801,027	3,989,463
Newmarket	17	2,578,242	713	778,528	1,872,329	3,980,063
St. Catharines	19	3,796,384	640	655,825	1,677,515	3,962,587
Paris	20	5,552,897	1,150	1,072,544	1,861,389	3,913,253
St. Marys	20	4,954,618	471	580,805	1,723,418	3,639,906
Orillia	36	5,133,643	1,060	1,149,662	1,748,301	3,579,034
Cardinal	9	3,348,881	282	369,627	2,470,849	3,573,690
Blind River	6	6,262,731	388	563,395	2,078,978	3,464,146
Kenfrew	21	4,646,320	692	744,276	1,747,019	3,437,751
Leppeler	15	5,624,883	1,089	1,095,492	1,594,308	3,415,475
Ferritton	9	5,233,559	531	806,052	1,613,154	3,352,967
Windsor	21	4,557,537	727	979,119	1,663,733	3,268,793
Windsor	27	5,061,910	462	596,934	1,447,767	3,220,534
Windsor	21	2,512,197	890	883,409	1,492,028	3,141,614
Windsor	21	3,956,419	722	849,646	1,300,223	3,132,571
Windsor	10	13,862,778	278	453,147	408,074	3,064,933
Windsor	20	2,420,145	352	527,829	1,188,261	3,051,779
Windsor	14	2,494,437	253	288,817	1,825,418	2,984,057
Windsor	15	4,346,565	402	357,873	2,139,121	2,897,877
Windsor	22	3,694,300	680	787,835	1,420,015	2,873,106
Windsor	15	2,654,551	518	546,920	1,635,381	2,805,090
Windsor	35	3,664,398	478	522,206	1,316,075	2,610,634
Windsor	15	3,734,531	715	692,822	1,243,593	2,575,295
Windsor	7	2,269,072	245	206,913	1,226,716	2,467,087
Windsor	9	1,342,563	417	427,498	1,742,626	2,460,509
Windsor	28	2,686,454	496	445,140	1,023,884	2,456,060
Windsor	26	3,341,001	604	586,563	1,180,060	2,307,397
Windsor	22	3,968,755	691	785,443	1,111,250	2,272,021





# MANUFACTURES OF CANADA, 1929.

Table 15.- Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1929 (Cont'd.)

Towns and cities	Estab- lish- ments	Capital	Emplo- ees.	Salaries	Cost of Material	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<b>Ontario (Cont'd.).</b>						
Port Hope	28	3,104,575	618	793,727	735,302	2,191,402
Carleton Place	17	2,338,761	602	642,780	860,325	2,114,850
Barrie	18	1,741,914	348	414,854	1,353,451	2,084,983
Caledonia	11	1,353,991	219	290,771	874,443	2,075,132
Dryden	8	5,625,532	329	451,034	814,178	2,059,632
Dunnville	20	2,444,495	781	717,977	935,922	2,052,553
Tilsonburg	20	1,818,405	399	369,032	1,475,420	2,047,650
Port Credit	4	2,446,195	202	246,229	1,227,850	2,016,133
Oakville	18	1,540,656	377	423,303	1,076,534	1,953,747
Listowel	19	1,125,799	508	410,477	1,026,045	1,857,665
Sturgeon Falls	9	7,117,109	350	528,195	1,329,693	1,888,619
Kincardine	14	1,614,035	477	446,960	970,492	1,850,373
Arnprior	15	3,659,833	505	541,933	861,401	1,832,748
Chesterville	7	958,330	173	240,415	1,302,697	1,820,953
Napanee	20	1,381,427	330	339,120	924,146	1,792,846
Milton	18	3,104,748	411	399,668	454,299	1,756,051
Tilbury	7	940,280	358	406,824	845,931	1,708,194
Westford	16	1,474,426	342	298,972	986,389	1,545,652
Collingwood	24	4,604,697	458	493,513	790,320	1,546,011
North Bay	23	1,621,764	311	357,719	700,348	1,490,332
Ayr	7	1,139,973	112	117,328	638,590	1,453,722
Lakefield	19	3,122,032	158	199,015	180,938	1,440,748
New Liskeard	15	2,091,942	291	304,844	702,898	1,387,932
Strathroy	16	1,459,663	324	314,134	371,370	1,434,152
Almonte	19	1,610,461	445	355,758	816,270	1,432,629
Tavistock	11	487,178	170	150,119	1,094,308	1,359,875
Wingham	16	1,045,985	341	324,658	808,323	1,366,518
Cache Bay	3	1,085,507	217	240,639	559,950	1,261,239
Flora	8	1,039,600	317	325,541	374,014	1,250,159
Milverton	9	423,710	87	78,748	901,675	1,206,721
Grimshy	14	1,146,608	418	277,306	670,535	1,185,872
Chesley	14	1,020,875	379	355,974	529,039	1,165,232
Walkerton	20	2,149,448	315	290,790	623,334	1,151,355
Gravenhurst	9	1,668,131	375	405,908	409,070	1,133,363
Bracebridge	17	2,226,021	243	210,012	575,966	1,120,192
Prescott	16	1,038,761	269	227,610	475,141	1,111,882
Kingsville	12	482,901	178	146,601	745,275	1,075,908
Penetanguishene	14	1,172,427	347	378,589	469,894	1,055,360
Port Dalhousie	5	1,016,247	302	328,313	276,417	1,035,436
Campbellford	15	1,268,536	257	259,416	565,596	1,030,207
Clinton	17	812,275	216	183,884	529,739	1,005,280
<b>Manitoba</b>						
Winnipeg	501	125,321,028	19,150	25,216,332	55,116,640	109,720,746
St. Boniface	36	10,357,696	1,685	2,112,032	18,000,725	21,935,836
Transcona	3	6,896,589	2,123	3,202,371	3,775,535	7,770,017
Brandon	38	4,553,802	533	671,222	2,508,158	4,571,372
Portage la Prairie	13	734,513	232	258,735	1,550,178	2,070,304
Saskatoon	9	2,117,238	452	506,276	481,130	2,077,134
The Pas	7	1,241,336	323	434,865	374,121	1,174,124





-25-  
MANUFACTURES OF CANADA, 1929.

Table 16.9 Statistics of Manufactures by Urban Municipalities with a gross production of \$1,000,000 or over, and with 3 or more establishments, 1929 - Concluded.

Cities and Towns	Estab- lish- ments	Capital	Employ- ees	Salaries and Wages	Cost of Materials	Gross Value of products
	No.	\$	No.	\$	\$	\$
<u>Saskatchewan</u>						
Regina	75	27,824,798	3,134	4,632,788	22,077,914	34,842,487
Saskatoon	63	10,443,592	1,491	2,161,869	9,654,746	15,961,102
Moose Jaw	27	7,791,932	927	1,336,857	10,648,850	14,646,351
Prince Albert	18	2,533,389	428	504,037	2,418,750	3,951,349
<u>Alberta</u>						
Calgary	149	35,680,545	4,378	5,952,651	26,080,174	44,694,670
Edmonton	134	25,702,207	4,761	5,983,615	17,968,863	30,388,021
Medicine Hat	19	7,459,474	746	907,928	7,389,186	10,335,125
Lethbridge	25	3,181,884	445	564,362	1,681,438	4,206,859
Redcliffe	6	1,989,510	290	352,999	308,946	1,096,603
<u>British Columbia</u>						
Vancouver	639	129,078,372	16,663	21,882,312	50,933,163	99,646,413
New Westminster	59	14,540,655	2,575	3,093,334	10,117,810	16,531,325
Victoria	140	21,189,997	3,331	4,284,297	5,530,236	14,416,792
North Vancouver	18	6,374,540	879	1,256,593	1,942,892	4,032,703
Prince Rupert	20	4,734,271	403	736,786	2,126,118	3,126,046
Rosslund	6	12,108,387	325	492,890	20,975	2,305,452
Port Alberni	7	1,592,570	382	471,695	1,040,983	2,286,852
Port Moody	5	1,811,128	346	423,620	1,067,348	1,920,888
Buncan	11	768,701	476	525,851	792,877	1,741,607
Nanaimo	27	1,559,603	545	479,983	697,758	1,518,552
Fernie	8	6,209,694	175	268,404	510,926	1,449,765
Kelowna	22	950,619	444	286,953	712,531	1,404,368
Port Coquitlam	4	695,308	191	248,037	458,346	1,013,472
Nelson	23	1,660,074	261	348,023	352,966	1,068,495



A summary of the cities and towns having a production valued at \$1,000,000 and over showing the percentage of production in the cities and towns of each province to the total production in the province is presented herewith. The highest percentage so obtained is found in Manitoba with 92.3 per cent followed by Quebec with 90.6 and Ontario with 89.5 per cent. The lowest percentages appear in Prince Edward Island and British Columbia where the primary industries connected with the farm, the forest, the mine and the fisheries furnish the volume of production.

Table 17.- Production of Manufactures, 1929.

Table 17.- Urban Statistics of Manufactures, 1929.

Province	Cities and towns in each province having an output of \$1,000,000 and over.	Establishments reporting in the cities and towns having an output of \$1,000,000 and over.	Total production of cities and towns in each province whose establishments have an output of \$1,000,000 and over.	Total production in each province.	Per cent of production in cities and towns to total production in the province.
	No.	No.	\$	\$	P.C.
Prince Edward Island	1	31	2,112,410	4,638,725	45.5
Nova Scotia	9	284	75,765,097	94,292,816	80.4
New Brunswick	9	263	49,484,429	71,433,966	69.2
Quebec	59	2,951	1,051,399,907	1,160,612,992	90.6
Ontario	121	6,132	1,882,367,573	2,103,090,788	89.5
Manitoba	7	607	152,158,266	164,909,127	92.3
Saskatchewan	4	183	69,401,289	80,601,159	86.2
Alberta	5	333	90,721,278	107,556,792	83.4
British Columbia	14	989	152,462,730	276,950,914	55.5
CANADA	229	11,773	3,525,872,979	4,063,987,279	86.8





D-20 L  
HISTORICAL FILES

CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

PRELIMINARY REPORT  
on the  
MANUFACTURING INDUSTRIES  
of  
CANADA  
1930

Published by Authority of the Hon. H. H. Stevens, M.P.,  
Minister of Trade and Commerce

\*\*\*  
OTTAWA

1932





DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY  
CANADA, CANADA

Issued March, 1932.

Dominion Statistician  
Acting Chief, Census of Industry:

R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.  
A. Cohen, B. Com.

MANUFACTURING INDUSTRIES OF CANADA, 1930.

The manufacturing industries of Canada, in common with all other branches of national endeavour, felt the effects of the general depression prevailing throughout the world. The output of manufactured products was valued at \$3,428,970,628, a decrease of \$600,400,712 or 14.9 per cent as compared with 1929. The manufacturing industries, however, were not as severely affected as these figures would indicate. The volume of manufactured products was no doubt materially reduced; the reduction, however, was not as high as 14.9 per cent. Drastic declines in the values of raw materials with the consequent declines in the values of finished products account for the greater part of the decrease in the gross value of production, the yearly index number of wholesale prices in Canada having dropped from 95.6 in 1929 to 86.6 in 1930, a decrease of 9.4 per cent. The decrease of 49,995 or 7.2 per cent in the number of persons employed, therefore, gives a better idea as to the extent of the recession experienced by the manufacturing industries of Canada in 1930.

The relatively greater decline in industrial activity experienced by the manufacturing industries of the province of Ontario as compared with those of the province of Quebec is the most outstanding feature of the industrial situation in 1930. The province of Ontario reported a decline of 17.7 per cent in the gross value of production and 9.5 per cent in the number of persons employed as compared with a drop in the province of Quebec of 12.5 per cent and 4.1 per cent respectively. An increase of 10.5 per cent in the number of persons employed and 2.6 per cent in the gross value of production reported by Central Electric Stations and small increases in the number of persons employed in the provinces of Alberta, Manitoba and Nova Scotia are other outstanding facts revealed by the table following which gives the percentage increases and decreases in the number of employees and gross value of products by provinces and industrial groups.



MANUFACTURING INDUSTRIES OF CANADA, 1930.

Percentage Variation in Employment and Gross Value of Products, 1930 compared with 1929.

	Percentage Increase or Decrease in	
	Employees	Gross Value of Products
CANADA	- 7.2	- 14.9
Prince Edward Island	- 3.7	- 8.3
Nova Scotia	+ .5	- 8.3
New Brunswick	- .5	- 10.4
Quebec	- 4.1	- 12.5
Ontario	- 9.5	- 17.7
Manitoba	+ .6	- 13.1
Saskatchewan	- 9.9	- 22.6
Alberta	+ 2.6	- 11.7
British Columbia and Yukon	- 16.7 <sup>2</sup>	- 11.9
ALL GROUPS	- 7.2	- 14.9
Vegetable products	- 5.3	- 12.9
Animal products	- 14.2 <sup>2</sup>	- 12.6
Textiles and textile products	- 5.2	- 15.1
Wood and paper products	- 4.9	- 12.3
Iron and its products	- 9.3	- 22.8
Non-ferrous metal products	- 2.8	- 12.7
Non-metallic mineral products	- 5.0	- 10.4
Chemicals and chemical products	- 7.1	- 13.4
Miscellaneous industries	- 31.9 <sup>1</sup>	- 43.8 <sup>1</sup>
Central electric stations	+ 10.5	+ 2.6

<sup>1</sup> Large decrease is due to transfer of bridgebuilding from "Miscellaneous" to "Iron and Steel" group.

<sup>2</sup> Large decrease in employment is due to a change in method of computing the number of wage-earners in the "Fish Curing and Packing" industry which is important in British Columbia.





## MANUFACTURING INDUSTRIES OF CANADA, 1930.

Manufacturing establishments in Canada in 1930 numbered 24,020. Of these, 9,888 were located in Ontario, 1,117 in Quebec, 1,697 in British Columbia and Yukon, 1,302 in Nova Scotia, 977 in Manitoba, 924 in New Brunswick, 845 in Alberta, 750 in Saskatchewan and 267 in Prince Edward Island. These plants represented a capital investment of \$5,203,446,700. They furnished employment to 644,439 persons who were paid \$736,092,766 in salaries and wages and produced goods valued at \$3,428,970,628. They also spent \$1,661,983,902 for materials, leaving the value added by manufacture at \$1,761,986,726. It should be remembered that the value added by manufacture does not represent the profits of manufacturers. The value added by manufacture is obtained by subtracting the cost of the materials from the gross value of products. This difference represents the value added to the raw materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, profits, etc. Compared with the previous year, there was a decline of \$235,363,639 in the value added by manufacture.

The manufacturing industries of Canada are concentrated largely in the provinces of Ontario and Quebec, although the Western Provinces are beginning to assume increasing importance. Ontario is the dominant manufacturing province of Canada. In 1930, with only 41.2 per cent of the total number of establishments, it employed 46.7 per cent of the capital, 47.1 per cent of the number of employees and produced 50 per cent of the entire output.

As mentioned above, the number of persons engaged in the manufacturing industries of Canada in 1930 totalled 644,439. Of these, 92,943 were salaried employees and 551,496 wage-earners. Compared with the previous year, there was a decrease of 3,664 in the number of salaried employees and 46,331 in the number of wage-earners. Payments to salaried employees amounted to \$184,239,117 and to wage-earners \$551,853,649. In 1930, the average salary was \$1,982 and the average wage \$1,001. In addition to these payments, the clothing industries paid \$2,113,545 to contractors, the fish canners \$1,023,609 to 5,164 inside piece-workers who do not form part of the regular working force, while \$326,570 was paid to outside piece-workers, the majority of whom being employed in the textile group of industries.

From statistics of the forty leading industries of the Dominion, it may be seen that the pulp and paper industry again exceeded all others in gross value of production. Other leading industries in order of their importance were

2. Slaughtering and meatpacking
3. Flour and grist mills
4. Central electric stations
5. Sawmills
6. Butter and cheese
7. Railway rolling stock
8. Electrical apparatus and supplies
9. Automobiles
10. Non-ferrous metal smelting and refining.

In salaries and wages paid which is probably a better index of the importance of an industry, the order of the ten leading industries is materially changed. Pulp and paper still comes first, followed by

	Rank according to gross value of products
2. Railway rolling stock	7
3. Sawmills	5
4. Central Electric Stations	4
5. Printing and publishing	16
6. Electrical apparatus and supplies	8
7. Castings and forgings	13
8. Automobiles	9
9. Bread and other bakery products	15
10. Women's factory clothing	17

Detailed statistics of the manufacturing industries of Canada are given in the following series of tables

- Table 1. Summary Statistics of Manufactures, 1923-1930.
- Table 2. Principal Statistics compared for 1929 and 1930.
- Table 3. Principal Statistics by provinces, 1929 and 1930.
- Table 4. Principal Statistics by groups, 1929 and 1930.
- Table 5. Principal Statistics of the forty leading industries, 1929 and 1930.





- 4 -  
MANUFACTURING INDUSTRIES OF CANADA, 1930.

Table 1. - Summary Statistics of Manufactures, 1923-1930.

Year	No. of Estab- lish- ments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1923 <sup>1/</sup>	22,642	3,380,322,950	525,267	571,470,028	1,470,140,139	2,781,165,514
1924 <sup>1/</sup>	22,178	3,538,813,460	508,503	559,834,015	1,478,409,681	2,695,053,582
1925	22,331	3,808,309,981	544,225	596,015,171	1,577,555,408	2,948,545,315
1926	22,708	3,981,569,590	581,559	653,850,933	1,728,624,192	3,221,269,231
1927	22,936	4,337,631,558	618,933	693,932,273	1,758,789,334	3,394,713,270
1928	23,379	4,780,096,049	658,023	755,199,372	1,919,438,703	3,738,484,728
1929	23,597	5,083,014,754	694,111	813,049,842	2,032,020,975	4,029,371,340
1930	24,020	5,203,316,760	694,439	736,092,766	1,666,983,902	3,428,970,628

<sup>1/</sup> Statistics for 1923 and 1924 do not include the Non-ferrous metal smelting industry.

Table 2. - Principal Statistics Compared for 1929 and 1930.

	1 9 2 9	1 9 3 0	Increase or Decrease 1930 over 1929
Establishments ..... No.	23,597	24,020	+ 423
Capital invested ..... \$	5,083,014,754	5,203,316,760	+ 120,302,006
Average capital per establishment. \$	215,409	216,624	+ 1,215
Employees on Salaries ..... No.	96,607	92,943	- 3,664
Salaries ..... \$	188,747,672	184,239,117	- 4,508,555
Average salary ..... \$	1,954	1,982	+ 28
Employees on Wages ..... No.	597,827	551,496	- 46,331
Wages ..... \$	624,302,170	551,853,649	- 72,448,521
Average wage ..... \$	1,045	1,001	- 44
Outside piece-workers ..... No.	2,288	2,278	- 10
Payments to piece-workers ..... \$	407,638	326,570	- 81,068
Cost of materials ..... \$	2,032,020,975	1,666,983,902	- 365,037,073
Average cost of materials per establishment ..... \$	87,580	69,400	- 18,180
Value of production ..... \$	4,029,371,340	3,428,970,628	- 600,400,712
Average value of products per establishment ..... \$	170,758	142,755	- 28,003
Value added by manufacture ..... \$	1,997,350,365	1,761,986,726	- 235,363,639



MANUFACTURING INDUSTRIES OF CANADA, 1930.

Table 3. - Principal Statistics Compared by Provinces, 1929 and 1930.

Province	No. of Estab- lish- ments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>1929</u>						
CANADA	23,597	5,083,014,754	694,434	813,049,842	2,032,020,975	4,029,371,340
Prince Edward Island .....	276	3,489,934	2,133	781,448	2,864,383	4,638,277
Nova Scotia ..	1,195	135,662,325	20,966	17,925,190	50,781,055	93,567,348
New Brunswick	860	117,965,970	18,517	15,712,322	39,845,223	70,825,654
Quebec .....	7,156	1,673,011,042	213,467	233,803,672	537,828,611	1,155,201,014
Ontario .....	9,910	2,400,340,450	339,859	421,789,723	1,057,407,249	2,080,391,439
Manitoba .....	923	173,152,948	26,318	34,158,583	88,055,264	163,806,010
Saskatchewan.	761	58,877,124	8,047	10,438,759	51,143,205	80,435,537
Alberta .....	817	107,648,028	13,748	16,460,038	62,700,608	106,824,476
British Columbia and Yukon ..	1,699	394,866,933	51,379	61,980,107	141,395,377	273,681,585
<u>1930</u>						
CANADA	24,020	5,203,316,760	644,439	736,032,766	1,666,983,902	3,428,970,628
Prince Edward Island .....	267	3,441,958	2,055	788,106	2,546,827	4,254,966
Nova Scotia ..	1,302	133,671,163	21,069	17,537,690	44,506,178	85,802,921
New Brunswick	924	140,611,530	18,422	14,988,441	33,897,264	63,468,262
Quebec .....	7,410	1,727,064,388	204,802	216,835,675	462,244,278	1,022,280,687
Ontario .....	9,888	2,431,369,848	307,477	370,781,452	836,666,780	1,713,025,322
Manitoba .....	937	103,413,164	26,488	33,941,235	74,761,265	142,424,990
Saskatchewan.	750	65,486,140	7,248	9,229,593	35,608,157	62,276,766
Alberta .....	845	109,930,271	14,099	17,092,033	53,621,884	94,314,782
British Columbia and Yukon ..	1,697	403,328,298	42,779	54,898,541	123,131,269	241,121,932





Table 4. - Principal Statistics Compared by Groups of Industries, 1929 and 1930.

	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
<b>1929</b>	No.	\$	No.	\$	\$	\$
Vegetable products .....	5,005	569,064,835	88,858	93,299,665	427,019,724	771,457,665
Animal products .....	4,490	243,825,065	67,670	62,081,423	345,351,882	477,761,855
Textiles and textile products .....	1,891	383,153,797	115,620	105,896,237	220,304,250	426,247,567
Food and paper products .....	7,405	1,152,075,234	164,800	192,235,448	314,203,289	725,819,740
Iron and its products .....	1,169	754,989,105	132,281	186,928,700	384,925,660	738,012,980
Non-ferrous metal products .....	408	298,721,106	39,867	54,501,806	124,900,632	283,545,666
Non-metallic mineral products .....	1,188	329,448,844	31,431	41,511,846	117,149,130	242,023,518
Chemicals and chemical products .....	554	165,886,912	16,694	22,639,449	55,184,337	138,545,221
Miscellaneous industries .....	463	130,118,324	21,049	29,123,447	42,982,071	103,013,662
Central electric stations .....	1,024	1,055,731,532	16,164	24,831,821	-	122,883,446
<b>Total</b> .....	23,597	5,083,014,754	694,434	813,049,842	2,032,020,975	4,029,371,340
<b>1930</b>						
Vegetable products .....	5,041	569,403,769	84,182	85,259,243	357,510,340	672,023,666
Animal products .....	4,341	233,334,872	57,657	55,564,398	285,225,411	411,540,376
Textiles and textile products .....	1,886	368,567,643	109,576	97,903,096	184,563,865	361,814,733
Food and paper products .....	7,816	1,221,357,252	156,724	174,406,889	268,249,293	536,599,911
Iron and its products .....	1,196	757,797,256	119,987	165,429,608	281,713,562	569,745,973
Non-ferrous metal products .....	429	325,605,549	38,756	52,319,027	111,738,411	250,458,721
Non-metallic mineral products .....	1,234	336,018,522	29,868	39,241,165	107,206,674	210,812,627
Chemicals and chemical products .....	591	168,119,152	15,503	21,041,789	48,165,038	119,909,637
Miscellaneous industries .....	452	84,912,229	14,328	17,640,108	22,508,008	57,966,137
Central electric stations .....	1,034	1,138,200,016	17,858	27,287,443	-	126,030,145
<b>Total</b> .....	24,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,626





Table 5(a) Principal Statistics of the Forty Leading Industries of Canada, 1930.

	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1. Pulp and paper .....	109	714,437,104	33,207	45,774,976	81,992,255	215,674,246
2. Slaughtering and meatpacking .....	76	60,778,996	9,290	12,114,667	129,004,327	164,029,953
3. Flour and grist mill products .....	1,277	62,617,007	5,923	6,679,113	119,677,686	144,855,946
4. Central electric stations .....	1,034	1,138,200,016	17,858	27,287,443	-	126,038,145
5. Sawmills .....	3,531	181,116,933	43,457	28,512,901	72,956,762	121,142,985
6. Butter and cheese .....	2,698	50,502,406	11,980	13,071,916	80,559,841	113,018,789
7. Railway rolling stock .....	37	95,785,640	25,972	37,625,050	60,289,445	104,922,701
8. Electrical apparatus and supplies .....	149	102,979,896	20,508	26,260,004	43,111,629	104,577,790
9. Automobiles .....	16	90,671,678	12,541	19,473,782	66,924,019	101,677,487
10. Non-ferrous metal smelting and refining .....	14	175,010,686	8,626	13,796,124	45,310,472	100,946,136
11. Petroleum products .....	28	70,334,381	5,134	8,190,130	71,800,429	91,767,205
12. Tobacco, cigars and cigarettes .....	103	51,376,115	8,905	7,837,711	24,286,734	85,671,726
13. Castings and forgings .....	340	100,318,189	20,499	25,871,261	28,262,602	74,233,671
14. Rubber goods, including footwear .....	47	69,164,512	15,163	15,895,479	28,821,759	73,752,673
15. Bread and other bakery products .....	2,697	51,914,170	17,736	19,444,533	36,582,843	73,594,894
16. Printing and publishing .....	776	66,860,624	17,063	26,937,052	15,993,916	72,013,171
17. Clothing, factory, women's .....	455	23,432,441	16,782	16,483,011	35,759,351	61,815,945
18. Biscuits, confectionery, chocolate, etc. ....	280	54,406,093	12,291	11,104,668	25,044,901	58,059,602
19. Breweries .....	73	67,637,142	4,642	6,716,634	16,534,273	57,521,089
20. Hosiery, knit goods and fabric gloves .....	167	65,047,351	18,570	15,057,147	25,509,913	54,117,924
21. Machinery .....	110	69,454,103	11,044	15,089,887	18,326,621	53,749,432
22. Primary iron and steel .....	49	112,079,926	9,723	14,934,325	22,765,648	52,568,935
23. Cotton, yarn and cloth .....	33	78,542,804	16,999	13,004,793	27,975,574	48,692,878
24. Sheet metal products .....	155	53,368,130	8,728	10,452,887	25,090,342	47,067,479
25. Sugar refineries .....	8	43,855,155	2,281	3,560,260	30,610,701	42,935,722
26. Clothing, factory, men's .....	192	26,294,787	10,836	11,542,990	21,533,514	40,819,423
27. Boots and shoes, leather .....	179	28,162,582	13,922	12,858,062	20,521,726	40,478,911
28. Printing and bookbinding .....	905	38,837,176	11,567	15,663,048	11,942,885	37,941,787
29. Furniture and upholstering .....	366	41,495,827	11,980	12,774,596	13,817,450	36,866,195
30. Coke and gas products .....	41	89,987,235	3,970	5,864,802	17,082,364	36,592,859



# MANUFACTURING INDUSTRIES OF CANADA, 1930.

Table 5(a). - Principal Statistics of the Forty Leading Industries of Canada, 1930 - Cont'd.

	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
31. Planing mills, sash and door factories .....	728	49,333,121	9,651	10,981,763	19,220,215	36,483,594
32. Fish curing and packing .....	699	30,827,607	10,558	4,302,854	21,081,469	32,973,308
33. Fruit and vegetable canning, preserving, etc. ....	249	35,119,475	9,137	4,155,595	19,816,763	31,458,415
34. Agricultural implements .....	57	98,684,828	7,405	9,564,049	11,353,523	26,902,139
35. Bridge and structural steel work .	13	28,922,951	4,943	8,686,062	12,549,435	26,055,783
36. Dyeing, cleaning and laundry work .	387	28,351,092	12,732	12,141,767	2,807,911	25,472,664
37. Brass and copper products .....	117	26,820,527	5,297	6,742,752	13,355,186	25,412,225
38. Furnishing goods, men's .....	158	17,597,012	8,965	6,437,718	14,790,909	25,154,310
39. Distilleries .....	15	61,533,825	1,965	2,435,934	6,616,520	24,925,861
40. Paints, pigments and varnishes ...	78	26,212,828	2,835	4,307,998	11,094,435	23,966,502
Total forty leading industries	18,510	4,278,072,371	500,725	569,675,744	1,350,776,368	2,715,990,613
Total all industries .....	24,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
Percentage of forty leading industries to all industries	77.06	82.22	77.70	77.39	81.03	79.21





Table 5(b). - Principal Statistics of Forty Leading Industries, 1929.

Industry	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products 1/
	No.	\$	No.	\$	\$	\$
1. Pulp and paper .....	108	644,773,806	24,202	50,214,445	96,874,749	243,970,761
2. Slaughtering and meatpacking .....	74	67,777,803	10,762	13,998,716	151,814,517	185,842,902
3. Flour and grist mill products .....	1,325	67,773,534	6,618	7,578,276	150,806,665	181,148,689
4. Automobiles .....	17	98,378,301	16,435	26,864,808	120,332,694	177,315,593
5. Sawmills .....	3,161	181,586,699	46,466	36,157,555	83,743,952	146,989,564
6. Butter and cheese .....	2,767	47,907,462	11,872	12,709,426	93,861,458	126,703,195
7. Railway rolling stock .....	35	94,415,563	25,488	38,311,179	74,156,037	126,487,037
8. Central electric stations .....	1,024	1,055,731,532	16,164	24,831,821	-	122,083,446
9. Electrical apparatus and supplies .....	139	101,767,108	20,871	26,725,215	49,623,322	113,796,002
10. Non-ferrous metal smelting .....	10	146,699,085	8,119	13,772,393	41,416,446	109,854,468
11. Petroleum products .....	25	71,260,459	4,978	8,153,625	76,861,939	99,406,314
12. Rubber goods, including footwear .....	44	73,877,478	17,796	20,134,501	42,940,747	96,934,660
13. Castings and forgings .....	336	102,900,796	23,443	30,854,654	35,994,441	91,575,146
14. Cotton yarn and cloth .....	36	95,542,319	20,221	16,671,787	43,133,575	76,241,765
15. Bread and other bakery products .....	2,568	48,969,603	17,023	18,481,612	38,507,559	77,214,466
16. Printing and publishing .....	767	65,736,238	16,960	26,407,204	16,424,412	73,673,336
17. Steel and rolled products, pig iron, ferro-alloys, etc. ..	45	109,446,529	11,218	18,534,681	32,514,596	72,231,995
18. Clothing, women's factory .....	461	25,087,862	17,024	17,128,421	34,558,660	66,346,417
19. Machinery .....	169	75,226,204	12,435	17,091,918	22,264,416	65,692,559
20. Cigars and cigarettes .....	72	34,025,963	6,382	5,735,252	17,012,776	64,331,560
21. Piscuits, confectionery, chocolate, etc. ..	281	55,320,902	13,072	12,765,876	27,717,889	62,492,001
22. Breweries .....	78	70,390,147	4,839	7,134,256	19,135,208	64,260,921
23. Hosiery, knit goods, etc. .....	168	66,489,608	19,609	16,294,536	31,193,505	61,097,732
24. Planing mills, etc. .....	744	58,429,538	13,132	14,966,072	31,679,455	56,552,000
25. Sheet metal products .....	152	49,080,661	9,286	11,228,170	28,076,595	53,151,698
26. Clothing, men's factory .....	205	28,493,549	11,506	13,371,417	25,653,973	50,500,168
27. Boots and shoes, leather .....	191	31,028,229	15,563	15,031,101	25,510,731	48,627,590
28. Sugar refineries .....	8	43,534,113	2,325	3,686,037	35,640,124	47,151,960
29. Furniture and upholstering .....	367	41,851,682	13,082	14,512,073	17,735,090	44,136,176
30. Distilleries .....	20	60,211,220	2,219	3,132,497	12,928,920	43,752,420





THE MANUFACTURING INDUSTRIES OF CANADA, 1930.

Table 5(b). - Principal Statistics of Forty Leading Industries, 1929 - Cont'd.

Industry	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products 1/
	No.	\$	No.	\$	\$	\$
31. Printing and bookbinding	910	43,506,712	12,378	16,695,127	13,761,259	43,749,715
32. Agricultural implements	62	103,356,773	11,408	14,775,889	19,016,981	40,655,477
33. Soap and gas production	43	94,749,062	3,902	5,933,814	10,517,214	39,310,443
34. Glass and cement	102	27,431,520	6,232	7,600,591	21,113,038	36,115,503
35. Iron, steel and engineering	730	28,644,442	16,367	5,411,855	21,496,259	34,966,460
36. Shipbuilding	10	26,895,206	4,977	6,937,427	14,557,671	34,177,400
37. Automobile supplies	65	19,401,890	4,708	6,711,434	19,045,335	31,767,073
38. Furnishing goods, men's	162	19,654,505	9,890	7,320,145	17,846,021	30,361,862
39. Acids, alkalies and salts	15	49,417,431	2,897	4,338,686	6,301,121	26,021,972
40. Coffee and spices	59	15,402,253	1,701	2,305,912	21,025,868	27,971,790
Totals, Forty Leading Industries	17,555	4,144,173,787	523,571	622,715,404	1,650,803,527	3,198,606,039
Grand Total, All Industries	23,597	5,083,014,754	624,434	813,049,842	2,032,020,975	4,029,371,340
Percentages of Forty Leading Industries to All Industries	74.40	81.53	75.37	76.71	81.24	79.38

Source: Statistics Canada, 1931.



C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

ADVANCE REPORT  
on the  
MANUFACTURING INDUSTRIES  
of  
CANADA  
1931

DEPARTMENTAL LIBRARY  
IN ECONOMICS.

+ + +

Published by Authority of the Hon. H.H. Stevens, M.P.,  
Minister of Trade and Commerce

+ + +

OTTAWA

1933





DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
GENERAL MANUFACTURES DIVISION  
OTTAWA - CANADA

650 Copies  
May, 1933.

Dominion Statistician:

R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

Acting Chief, General Manufactures Division:

A. Cohen, B. Com.

ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1931.

The downward trend in manufacturing activity begun in the fall of 1929 continued with increasing force in 1931. The output of manufactured products was valued at \$2,698,461,862, a decrease of \$730,508,766 or 21.3 per cent as compared with 1930 and a decrease of \$1,330,909,478 or 33 per cent as compared with 1929. Employment also declined during the past few years. The number of persons engaged in manufacturing dropped from 694,434 in 1929 to 644,439 in 1930 with an even sharper decline in 1931 to 557,426. Salaries and wages paid and value added by manufacture registered sharp declines from the record attained in 1929 as the following table shows.

	Percentage decrease in 1930 as compared with 1929	Percentage decrease in 1931 as compared with 1930	Percentage decrease in 1931 as compared with 1929
Employees .....	- 7.2	- 13.5	- 19.7
Salaries and wages paid .....	- 9.5	- 15.2	- 23.2
Gross value of products .....	- 14.9	- 21.3	- 33.0
Value added by manufacture .....	- 11.8	- 16.3	- 26.2

The large decrease in the number of employees in 1931 is not, however, entirely due to the decline in manufacturing production. The decrease is in part due to the change in method of computing the average annual employment of wage-earners. Between 1925 and 1930 the average was obtained by summing the averages of individual plants, based on the number of months in actual operation and not by dividing by 12 the sum of the monthly employment figures. For example, if a plant operated only during three months of the year with an employment of 100 persons the first month, 125 the second month and 75 the third month, its average annual employment was taken as 100 ( $100 \div 3$ ); the same as that of another plant which operated the whole year with an average employment of 100 persons per month. In 1931, however, a change was made to the old method, whereby the aggregate of the monthly figures is divided by 12. This method gives the man year that each plant operates. The change in method, therefore, affects the average annual employment as well as the average wages paid in seasonal industries, such as fruit and vegetable canning, fish canning, sawmills, etc.

Provinces where seasonal industries predominate, therefore, show a proportionately greater decrease in the number of employees in 1931 as compared with the decrease in the salaries and wages paid, while industries that operate throughout the entire year are not affected by this change.

All groups reported decreases in the number of employees, salaries and wages paid and the gross value of production. Of the major industrial groups, the textile industries suffered the least from the depressed business conditions prevailing in 1931. Compared with the previous year, the number of employees declined only by 3.8 per cent, the salaries and wages paid 5.5 per cent and the gross value of products 12.3 per cent. The "iron" and "wood and paper" groups, however, reported the greatest declines in employment, salaries and wages paid and gross value of production as the following table shows.





ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1931.

	Percentage Increase or Decrease in		
	Number of <sup>x</sup> Employees	Salaries and Wages Paid	Gross Value of Products
CANADA .....	- 13.5	- 15.2	- 21.3
Prince Edward Island .....	- 43.1	+ 2.7	- 2.8
Nova Scotia .....	- 23.3	- 15.2	- 17.6
New Brunswick .....	- 28.8	- 15.3	- 13.1
Quebec .....	- 11.7	- 13.6	- 16.9
Ontario .....	- 12.3	- 15.4	- 23.4
Manitoba .....	- 8.7	- 9.5	- 16.8
Saskatchewan .....	- 16.4	- 18.2	- 28.9
Alberta .....	- 16.3	- 16.8	- 27.5
British Columbia and Yukon .....	- 19.7	- 22.3	- 27.1
ALL GROUPS .....	- 13.5	- 15.2	- 21.3
Vegetable products .....	- 7.7	- 7.4	- 20.4
Animal products .....	- 11.1	- 7.8	- 23.2
Textiles and textile products ...	- 3.8	- 5.5	- 12.3
Wood and paper products .....	- 22.3	- 19.5	- 23.9
Iron and its products .....	- 19.2	- 27.0	- 34.3
Non-ferrous metal products .....	- 11.2	- 11.8	- 15.2
Non-metallic mineral products ...	- 16.6	- 17.8	- 16.4
Chemicals and chemical products .	- 1.9	- .6	- 12.1
Miscellaneous industries .....	- 10.4	- 14.2	- 21.8
Central electric stations .....	- 4.7	- 3.6	- 2.9

<sup>x</sup> Due to the change in method in 1931 of computing the average number of wage-earners employed, the decrease is overestimated to some extent. See explanation given in paragraph 2, page 1.

Manufacturing establishments reporting in 1931 numbered 24,501. Of these, 10,140 were located in Ontario, 7,505 in Quebec, 1,636 in British Columbia and Yukon, 1,449 in Nova Scotia, 955 in Manitoba, 886 in Alberta, 872 in New Brunswick, 768 in Saskatchewan and 290 in Prince Edward Island. These plants represented a capital investment of \$4,961,312,408 in fixed and working capital; they furnished employment to 557,426 persons who were paid \$624,545,561 in salaries and wages. They also produced goods with a selling value at the factory of \$2,698,461,862 and spent \$1,223,880,011 for materials, leaving the value added by manufacture at \$1,474,581,851. It should be remembered that the value added by manufacture does not represent the manufacturers' profits. The value added by manufacture is obtained by subtracting the cost of the materials from the value of the products. This difference represents the value added to the raw materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, profits, etc. Compared with the previous year, there was a decline of \$287,404,875 in the value added by manufacture.

The manufacturing industries of Canada are concentrated largely in the provinces of Ontario and Quebec, although the Western Provinces are beginning to assume increasing importance. Ontario is the dominant manufacturing province in Canada. In 1931, with only 41.4 per cent of the total number of establishments, it employed 46.1 per cent of the capital, 43.4 per cent of the number of employees and produced 48.6 per cent of the entire output.

As mentioned above, the number of persons engaged in the manufacturing industries of Canada in 1931 totalled 557,426. Of these, 99,798 were salaried employees who were paid \$186,810,794 in salaries and 457,628 wage-earners who were paid \$437,734,767 in wages. In 1931, the average salary was \$1,872 and the average wage \$957. Compared with the previous year, there was a decrease of \$110 in the average salary and \$44 in the average wage. In addition to the payments of salaries and wages, the clothing industries paid \$2,042,156 to contractors, the fish canners \$421,452 to 2,954 inside piece-workers who do not form part of the regular working force, while \$159,194 was paid to outside piece-workers the majority of whom were employed in the textile group of industries.



# ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1931.

From statistics of the forty leading industries (table 6), it may be seen that the pulp and paper industry again exceeded all others in gross value of production. Other leading industries in order of their importance were.

Rank in 1931		Rank in 1930
2.	Central electric stations.	4.
3.	Slaughtering and meatpacking.	2.
4.	Non-ferrous metal smelting.	10.
5.	Flour and feed mills.	3.
6.	Butter and cheese.	6.
7.	Electric apparatus and supplies.	8.
8.	Petroleum products.	11.
9.	Tobacco, cigars and cigarettes.	12.
10.	Railway rolling stock.	7.

In salaries and wages paid, which is probably a better index of the importance of an industry, the order of the ten leading industries is materially changed. Pulp and paper still comes first, followed by -

		Rank according to Gross Value of Products
2.	Railway rolling stock.	10.
3.	Printing and publishing.	11.
4.	Central electric stations.	2.
5.	Electrical apparatus and supplies.	7.
6.	Castings and forgings.	17.
7.	Bread and Other Bakery Products.	12.
8.	Sawmills.	13.
9.	Clothing, women's factory.	15.
10.	Printing and bookbinding.	29.

Detailed statistics of the manufacturing industries of Canada are given in the following series of tables.

- Table 1. Summary statistics of manufactures, 1923-1931.
- Table 2. Principal statistics compared for 1930 and 1931.
- Table 3. Principal statistics by provinces, 1930 and 1931.
- Table 4. Principal statistics by groups, 1930 and 1931.
- Table 5. Principal statistics of the forty leading industries, 1930 and 1931.
- Table 6. Principal statistics of the industries composing each group, 1931.

Table 1. - Summary Statistics of Manufactures, 1923-1931.

Year	No. of Establishments	Capital	Em- ployees	Salaries and wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1923 <sup>x</sup> .....	22,642	3,380,322,950	525,267	571,470,028	1,470,140,139	2,781,165,514
1924 <sup>x</sup> .....	22,178	3,538,813,460	508,503	559,884,045	1,438,409,681	2,695,053,582
1925 .....	22,331	3,808,309,981	544,225	596,015,171	1,587,665,408	2,948,545,315
1926 .....	22,708	3,981,569,590	581,539	653,850,933	1,728,624,192	3,221,269,231
1927 .....	22,936	4,337,631,558	618,933	693,932,228	1,758,789,334	3,394,713,270
1928 .....	23,379	4,780,296,049	658,023	755,199,372	1,919,438,703	3,738,484,728
1929 .....	23,597	5,083,014,754	694,434	813,049,842	2,032,020,975	4,029,371,340
1930 .....	24,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
1931 .....	24,501	4,961,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862

<sup>x</sup> Statistics for 1923 and 1924 do not include the Non-ferrous metal smelting industry.





# ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1931.

Table 2. - Principal Statistics Compared for 1930 and 1931.

	1930	1931	% Increase or - Decrease 1931 over 1930
Establishments ..... No.	24,020	24,501	+ 481
Capital invested ..... \$	5,203,316,760	4,961,312,408	- 242,004,352
Average capital per establishment ..... \$	216,624	202,494	- 14,130
Employees on salaries ..... No.	92,943	99,798	+ 6,855 <sup>x</sup>
Salaries ..... \$	184,239,117	186,810,794	+ 2,571,677 <sup>x</sup>
Average salary ..... \$	1,982	1,872	- 110
Employees on wages ..... No.	551,496	457,628	- 93,828
Wages ..... \$	551,853,649	437,734,767	- 114,118,882
Average wage ..... \$	1,001	957	- 44
Outside piece-workers ..... No.	2,278	1,035	- 1,243
Payments to piece-workers .. \$	326,570	159,194	- 167,376
Cost of materials ..... \$	1,666,983,902	1,223,880,011	- 443,103,891
Average cost of materials per establishment ..... \$	69,400	49,952	- 19,448
Value of production ..... \$	3,428,970,628	2,698,461,862	- 730,508,766
Average value of products per establishment ..... \$	142,755	110,137	- 32,618
Value added by manufacture . \$	1,761,986,726	1,474,581,851	- 287,404,875

<sup>x</sup> The increase in the number of salaried employees and salaries paid is due to the following changes made in the instructions accompanying the schedules.

1. - Prior to 1931, owners who were working as ordinary wage-earners, such as small bakers, reported themselves as wage-earners. In 1931, however, all such owners were required to report themselves as salaried employees.
2. - In 1931, travelling salesmen who were attached to the plant and devoted all or the greater part of their time in selling the products of that plant were included with salaried employees. Prior to this they were not reported at all.

Table 3. - Principal Statistics Compared by Provinces, 1930 and 1931.

Province	No. of Estab- lish- ments	Capital	Em- ployees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>1930</u>						
CANADA ...	24,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
Prince Edward Island .....	267	3,441,958	2,055	788,106	2,546,827	4,254,966
Nova Scotia .	1,302	133,671,163	21,069	17,537,690	44,506,178	85,802,921
New Brunswick	924	140,611,530	18,422	14,988,441	33,897,264	63,468,262
Quebec .....	7,410	1,727,064,388	204,802	216,835,675	462,244,278	1,022,280,687
Ontario .....	9,888	2,431,369,848	307,477	370,781,452	836,666,780	1,713,025,322
Manitoba ....	937	188,413,164	26,488	33,941,235	74,761,265	142,424,990
Saskatchewan.	750	65,486,140	7,248	9,229,593	35,608,157	62,276,766
Alberta .....	845	109,930,271	14,099	17,092,033	53,621,884	94,314,782
British Columbia and Yukon ..	1,697	403,328,298	42,779	54,398,541	123,131,269	241,121,932
<u>1931</u>						
CANADA ...	24,501	4,961,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862
Prince Edward Island .....	290	4,019,288	1,170	809,122	2,349,367	4,136,576
Nova Scotia .	1,449	129,824,727	16,175	14,881,673	33,288,250	70,679,503
New Brunswick	872	128,859,472	13,107	12,706,897	25,631,856	55,209,818
Quebec .....	7,505	1,652,811,076	180,808	187,362,564	369,044,132	849,154,353
Ontario .....	10,140	2,285,361,451	269,739	313,676,300	597,879,792	1,312,400,828
Manitoba ....	955	191,935,311	24,193	30,706,209	55,149,392	118,540,865
Saskatchewan.	763	68,547,866	6,061	7,548,703	22,540,618	44,265,151
Alberta .....	886	107,427,603	11,798	14,213,753	36,090,169	68,367,411
British Columbia						





Table 4. - Principal Statistics Compared by Groups of Industries, 1930 and 1931.

	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<b>1930</b>						
Vegetable products .....	5,041	569,403,769	84,182	85,259,243	357,510,340	672,023,666
Animal products .....	4,341	233,334,972	57,657	55,564,398	285,328,411	417,540,878
Textiles and textile products .....	1,886	368,567,643	109,576	97,903,096	184,563,865	361,814,733
Wood and paper products .....	7,816	1,221,357,252	156,724	174,406,889	268,249,293	636,599,911
Iron and its products .....	1,196	757,797,256	119,987	165,429,608	281,713,862	569,745,973
Non-ferrous metal products .....	429	325,605,549	38,756	52,319,027	111,738,411	250,458,721
Non-metallic mineral products .....	1,234	336,018,922	29,868	39,241,165	107,206,674	216,812,827
Chemicals and chemical products .....	591	168,119,152	15,503	21,041,789	48,165,038	119,969,637
Miscellaneous industries .....	452	84,912,229	14,328	17,640,108	22,508,008	57,966,137
Central electric stations .....	1,034	1,138,200,016	17,858	27,287,443	-	126,038,145
<b>TOTAL</b> .....	<b>24,020</b>	<b>5,203,316,760</b>	<b>644,439</b>	<b>736,092,766</b>	<b>1,666,983,902</b>	<b>3,428,970,628</b>
<b>1931</b>						
Vegetable products .....	5,283	545,387,574	77,706	79,022,515	260,604,562	535,079,463
Animal products .....	4,430	217,441,415	51,287	51,270,503	214,743,508	320,803,456
Textiles and textile products .....	1,955	352,344,073	105,473	92,504,088	153,191,375	317,156,670
Wood and paper products .....	7,767	1,053,064,435	121,672	140,349,106	192,379,915	484,237,930
Iron and its products .....	1,243	676,270,362	96,927	120,759,931	170,754,686	374,725,068
Non-ferrous metal products .....	455	318,395,983	34,414	46,111,373	95,342,798	211,162,412
Non-metallic mineral products .....	1,272	328,873,782	24,895	32,219,282	78,945,766	181,431,906
Chemicals and chemical products .....	621	163,863,072	15,207	20,867,948	40,756,550	105,501,905
Miscellaneous industries .....	464	75,682,761	12,821	15,133,859	17,160,861	45,350,322
Central electric stations .....	1,011	1,229,988,951	17,014	26,306,956	-	122,316,730
<b>TOTAL</b> .....	<b>24,501</b>	<b>4,961,312,408</b>	<b>557,426</b>	<b>624,545,561</b>	<b>1,223,880,011</b>	<b>2,698,161,862</b>



Table 5(a). - Principal Statistics of the Forty Leading Industries of Canada, 1930.

	Number of Establishments		Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$					
1. Pulp and paper .....	109	714,437,104	33,207	45,774,976	81,992,255	215,674,246	
2. Slaughtering and meatpacking .....	76	60,778,996	9,290	12,114,667	129,004,327	164,029,953	
3. Flour and grist mill products .....	1,277	62,617,007	5,923	6,679,113	119,677,686	144,855,946	
4. Central electric stations .....	1,034	1,138,200,016	17,858	27,287,443	-	126,038,145	
5. Sawmills .....	3,531	181,116,933	43,457	28,512,901	72,956,762	121,142,985	
6. Butter and cheese .....	2,698	50,502,406	11,980	13,071,916	80,559,841	113,018,789	
7. Railway rolling stock .....	37	95,785,640	25,952	37,625,050	60,289,415	104,922,701	
8. Electrical apparatus and supplies .....	149	102,979,896	20,568	26,260,004	43,111,629	104,577,790	
9. Automobiles .....	16	90,671,678	12,541	19,473,782	56,924,619	101,677,487	
10. Non-ferrous metal smelting and refining ..	14	175,010,686	8,626	13,796,124	45,310,472	100,946,136	
11. Petroleum products .....	28	70,334,381	5,134	8,190,130	71,800,429	91,737,205	
12. Tobacco, cigars and cigarettes .....	103	51,376,115	8,905	7,837,711	24,286,734	85,671,786	
13. Castings and forgings .....	340	100,318,189	20,499	25,871,261	28,262,602	74,233,671	
14. Rubber goods, including footwear .....	47	69,164,512	15,163	15,895,479	28,821,759	73,752,673	
15. Bread and other bakery products .....	2,697	51,914,170	17,736	19,444,533	36,582,843	73,594,894	
16. Printing and publishing .....	776	66,860,624	17,063	26,937,052	15,993,916	72,115,171	
17. Clothing, factory, women's .....	455	23,432,441	16,782	16,483,011	35,759,351	61,815,948	
18. Confectionery, chocolate, etc. ..	280	54,406,093	12,291	11,104,668	25,044,901	58,059,602	
19. Breweries .....	73	67,637,142	4,642	6,756,634	16,534,273	57,521,089	
20. Hosiery, knit goods and fabric gloves ....	167	65,047,351	18,570	15,057,147	25,509,913	54,117,994	
21. Machinery .....	174	69,454,103	11,041	15,089,887	18,320,621	53,743,482	
22. Primary iron and steel .....	49	112,079,926	9,723	14,934,525	24,755,648	54,589,935	
23. Cotton yarn and cloth .....	33	78,542,804	16,999	13,004,793	27,975,574	48,692,878	
24. Sheet metal products .....	155	53,368,130	8,728	10,452,887	25,090,342	47,067,479	
25. Sugar refineries .....	8	43,855,155	2,281	3,560,260	30,610,701	42,935,722	
26. Clothing, factory, men's .....	192	26,294,787	10,836	11,542,990	21,533,514	46,019,423	
27. Boots and shoes, leather .....	179	28,162,582	13,922	12,858,062	21,511,724	40,476,911	
28. Printing and bookbinding .....	905	38,837,176	11,567	15,663,048	11,042,885	37,941,787	
29. Furniture and upholstering .....	366	41,495,827	11,980	12,774,986	13,817,450	36,866,195	
30. Coke and gas products .....	41	89,987,235	3,970	5,864,802	17,032,364	36,592,859	
31. Planing mills, sash and door factories ....	728	49,333,121	9,651	10,981,763	19,220,215	36,483,194	
32. Fish curing and packing .....	699	30,827,607	10,558	4,302,854	21,081,489	32,973,308	
33. Fruit and vegetable canning, preserving, etc. ....	249	35,119,475	9,137	4,155,595	19,816,763	31,458,415	





Table 5(a). - Principal Statistics of the Forty Leading Industries of Canada, 1930. - Concl'd.

	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
34. Agricultural implements .....	57	98,684,828	7,405	9,564,049	11,353,523	26,902,139
35. Bridge and structural steel work .....	13	28,922,951	4,943	8,686,062	12,549,435	26,055,793
36. Dyeing, cleaning and laundry work .....	387	28,351,092	12,732	12,141,767	2,807,911	25,472,664
37. Brass and copper products .....	117	25,820,537	5,297	6,742,752	13,355,186	25,415,225
38. Furnishing goods, men's .....	158	17,597,012	8,965	6,437,718	14,790,309	23,154,310
39. Distilleries .....	15	61,533,825	1,965	2,435,934	6,616,520	24,925,961
40. Paints, pigments and varnishes .....	78	26,212,828	2,835	4,307,998	11,094,435	23,966,592
Total, Forty Leading Industries.	18,510	4,278,072,371	500,725	569,675,744	1,350,776,368	2,715,990,613
Total, All Industries .....	24,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
Percentage of Forty Leading Industries to All Industries ..	77.06	82.22	77.70	77.39	81.03	79.21

Table 5(b). - Principal Statistics of the Forty Leading Industries of Canada, 1931.

	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1. Pulp and paper .....	103	630,176,540	26,669	34,792,013	63,947,678	174,733,954
2. Central electric stations .....	1,011	1,229,988,951	17,014	26,306,956	-	122,310,730
3. Slaughtering and meatpacking .....	147	62,481,905	9,294	11,626,678	91,276,842	117,595,697
4. Non-ferrous metal smelting .....	14	175,609,195	7,860	13,245,327	48,336,301	96,535,755
5. Flour and feed mills .....	1,265	61,069,192	5,671	6,032,183	71,771,797	91,726,542
6. Butter and cheese .....	2,576	52,381,144	11,965	12,259,926	64,661,837	95,723,393
7. Electrical apparatus and supplies .....	163	100,057,945	18,207	22,474,319	35,385,342	51,578,595
8. Petroleum products .....	32	68,136,281	4,122	6,214,745	50,617,742	76,162,611
9. Tobacco, cigars and cigarettes .....	105	50,194,202	9,091	8,096,769	21,448,879	74,916,154
10. Railway rolling stock .....	38	97,484,985	21,773	28,111,765	35,335,573	67,865,070
11. Printing and publishing .....	734	65,573,014	16,918	26,375,663	14,029,548	65,700,122





Table 5(b). - Principal Statistics of the Forty Leading Industries of Canada, 1931. - Concl'd.

	Number of Establishments	Capital	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
12. Bread and other bakery products .....	2,912	54,267,110	18,337	18,862,604	28,619,776	64,818,227
13. Sawmills .....	3,562	121,336,176	22,361	16,409,674	37,379,034	62,769,253
14. Automobiles .....	26	59,638,057	9,545	13,113,192	36,476,355	59,674,345
15. Clothing, factory, women's .....	471	21,430,983	15,648	15,018,195	30,955,973	54,140,770
16. Rubber goods, including footwear .....	48	67,446,955	12,158	11,708,387	17,630,081	52,691,230
17. Castings and forgings .....	333	95,377,318	17,049	19,203,234	18,598,048	51,455,296
18. Biscuits, confectionery, chocolate, etc.	282	51,530,443	12,145	10,892,636	20,207,678	49,285,042
19. Breweries .....	80	63,140,211	4,679	6,601,528	13,289,689	49,055,739
20. Hosiery and knitted goods .....	161	57,176,774	17,698	13,948,570	22,052,418	47,757,703
21. Sugar refineries .....	8	37,691,433	2,265	3,307,730	29,196,494	42,962,061
22. Cotton yarn and cloth .....	34	74,023,179	15,802	12,352,032	22,231,449	43,136,423
23. Sheet metal products .....	157	52,352,956	7,988	9,265,806	20,230,852	39,039,005
24. Primary iron and steel .....	53	104,512,104	8,026	11,072,054	15,291,414	36,911,245
25. Boots and shoes .....	184	25,844,168	14,150	12,340,283	17,949,804	36,625,565
26. Machinery .....	172	62,752,673	8,644	10,793,352	11,120,332	34,492,915
27. Clothing, factory, men's .....	180	21,599,392	9,701	9,585,462	18,362,813	32,952,023
28. Fruit and vegetable preparations .....	278	48,152,325	6,329	4,509,377	18,668,100	32,572,580
29. Printing and bookbinding .....	971	36,832,215	11,189	14,604,194	10,250,998	32,538,628
30. Coke and gas products .....	41	95,872,858	4,006	5,616,763	13,894,061	31,249,460
31. Furniture .....	372	36,657,497	10,007	10,047,027	10,588,707	27,135,171
32. Planing mills, sash and door factories.	673	40,790,104	7,952	8,346,474	13,703,622	26,219,473
33. Bridge and structural steel work .....	21	27,469,351	4,421	7,143,544	9,132,721	22,170,215
34. Coffee, tea and spices .....	59	13,500,659	1,039	2,251,103	14,364,811	21,937,457
35. Dyeing, cleaning and laundry work .....	407	25,621,564	11,772	10,671,615	1,968,029	21,024,684
36. Finishing goods, men's .....	167	16,649,101	8,139	5,787,221	11,534,873	20,978,478
37. Fish curing and packing .....	662	19,085,513	4,268	2,761,423	11,920,834	18,826,893
38. Boxes and bags, paper .....	122	21,562,581	4,809	4,924,682	9,627,461	18,658,463
39. Paints, pigments and varnishes .....	75	2,338,476	2,780	4,281,861	7,974,852	18,536,463
40. Silk and artificial silk .....	23	32,205,207	6,273	5,758,995	6,482,197	11,107,452
TOTAL, FORTY LEADING INDUSTRIES ..	18,852	4,002,714,737	428,364	476,725,368	993,535,015	2,140,752,918
TOTAL, ALL INDUSTRIES .....	24,501	4,061,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862
Percentage of Forty Leading Industries to all Industries ....	76.94	80.68	76.85	76.33	81.18	79.33



Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1931. (Component Material Classification).

Industries of the Manufacturing Industries of Canada, 1931. (Component Material Classification).													
Name of Industry	No. of Establishments	Capital \$	Employees on Salaries				Employees on Wages			Cost of Materials \$	Value of Products		
			Male		Female		Salaries \$	Male No.	Female No.		Wages \$	Gross	Net
			No.	No.	No.	No.							
1. - Vegetable Products .....	5,283	545,387,574	11,237	3,014	25,449,562	43,654	19,801	53,572,953	260,604,562	535,079,463	274,474,901		
Biscuits, confectionery, cocoa, etc. ....	282	51,530,443	1,927	619	4,575,617	4,263	5,336	6,317,019	20,207,678	49,285,042	29,077,364		
Bread and other bakery products	2,912	54,267,110	1,893	503	2,927,992	13,755	2,186	15,934,612	28,619,776	64,818,227	36,198,451		
Breweries .....	80	63,140,211	850	129	2,445,562	3,656	44	4,155,966	13,239,689	49,055,739	35,766,050		
Coffee, tea and spices .....	59	13,500,659	396	139	1,225,651	637	467	1,025,452	14,384,811	21,987,257	7,602,446		
Distilleries .....	23	55,863,010	260	60	918,951	1,040	462	1,304,526	5,463,753	13,055,971	7,592,212		
Flour and feed mills .....	1,265	61,069,192	1,602	180	2,271,667	3,765	124	3,760,522	71,771,797	95,723,540	23,956,743		
Feeds, breakfast .....	13	4,043,014	81	37	204,752	272	126	458,852	2,179,818	6,300,388	4,120,570		
Feeds, stock and poultry .....	38	2,569,277	115	29	277,351	163	12	167,342	1,799,842	2,910,915	1,111,073		
Feeds, miscellaneous .....	60	8,441,434	201	81	578,006	376	242	555,437	5,151,976	8,410,231	4,258,255		
Fruit and vegetable preparations	278	48,152,325	608	271	1,281,808	2,519	2,931	3,227,569	18,668,100	32,572,580	13,904,420		
Ice cream cones .....	10	657,441	11	5	23,340	49	12	50,275	76,449	352,273	275,824		
Linseed oil and oil cake .....	8	2,690,475	38	4	107,809	183	1	191,568	2,989,123	3,951,761	962,638		
Macaroni, vermicelli, etc. ..	14	1,847,708	34	11	58,455	103	35	115,038	580,032	1,195,987	615,955		
Malt and malt products .....	9	7,578,539	60	7	160,725	185	1	287,452	2,472,559	4,190,312	1,717,755		
Rice mills .....	4	817,788	17	2	59,071	49	-	53,407	1,016,690	1,327,870	311,120		
Rubber goods, including footwear .....	48	67,446,955	1,271	422	3,209,048	7,341	3,024	8,499,339	17,630,081	52,601,239	35,061,149		
Starch and glucose .....	6	5,200,537	70	36	247,587	403	14	413,565	2,065,861	4,960,136	2,014,275		
Sugar refineries .....	8	37,691,433	247	70	935,346	1,856	86	2,372,384	29,196,494	43,962,061	14,735,567		
Tobacco, cigars and cigarettes	105	50,194,202	1,340	385	3,608,417	2,757	4,609	4,398,352	21,448,879	74,920,112	53,477,275		
Wine .....	61	8,685,821	116	18	242,407	282	39	284,276	1,591,154	3,276,847	1,665,693		
2. - Animal Products .....	4,430	217,441,415	6,375	1,338	15,584,990	31,543	9,541	35,685,513	214,743,508	320,803,456	176,059,918		
Animal oils and fats .....	4	88,573	2	-	4,181	14	-	13,817	34,740	65,382	30,537		
Hiding, leather .....	12	1,189,502	37	12	107,784	-	-	93,516	202,076	568,442	273,366		
Feet and shoe findings, leather ..	14	1,320,807	27	4	110,097	1,12	51	178,380	460,905	1,070,522	639,417		
Leather and shoes .....	184	25,844,168	991	375	2,576,359	7,861	4,923	9,763,024	17,249,804	36,625,565	13,678,464		
Butter and cheese .....	2,676	52,381,144	3,111	683	4,734,432	7,333	272	7,525,494	61,661,837	95,722,398	31,066,181		
Condensed milk .....	26	7,580,884	160	54	394,977	501	34	588,007	4,903,862	8,734,002	3,851,400		
Fish curing and packing ..	662	19,085,513	487	53	692,270	2,307	921	2,069,153	11,920,834	18,236,892	6,946,400		





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1931. (Component Material Classification). - Cont'd.

Name of Industry	No. of Establishments	Capital	Employees on Salaries				Employees on Wages				Cost of Materials	Value of Products	
			Male		Female		Male		Female			Gross	Net
			No.	No.	No.	No.	No.	No.	\$	\$			
2. - Animal Products - Concl'd.													
Fur dressing and dyeing .....	11	1,080,951	70	7			582		98	231,603	1,571,740	1,320,137	
Fur goods .....	268	12,131,475	415	157			1,265		1,042	8,605,159	14,246,993	5,641,834	
Gloves and mittens, leather ..	47	2,780,599	136	40			268,295		785	1,557,242	3,123,370	1,566,128	
Hair goods, animal .....	3	172,882	6	2			10,782		-	41,773	86,913	45,140	
Hair goods, human .....	3	22,139	-	-			-		6	6,096	16,409	10,313	
Harness and saddlery .....	175	3,526,522	189	26			188,557		48	768,889	1,582,282	813,393	
Leather goods, n.e.s. ....	41	1,253,026	75	36			189,020		331	972,023	2,051,632	1,079,549	
Leather tanneries .....	88	23,038,355	255	61			783,929		81	9,365,422	15,778,789	6,413,367	
Sausage and sausage casings ..	51	1,027,956	40	9			87,513		13	1,133,099	1,773,939	640,840	
Slaughtering and meatpacking.	147	62,481,905	1,706	300			3,963,110		872	91,276,532	117,596,697	26,319,855	
Trunks and bags .....	18	2,434,924	82	19			217,600		64	541,236	1,335,587	794,351	
3. - Textiles and Textile Products -													
Animals, tents and sails .....	1,955	352,344,073	7,170	3,493			20,448,227		55,034	153,191,371	317,158,670	163,967,291	
Bags, cotton and jute .....	55	1,769,132	96	37			184,866		155	735,103	1,513,430	778,327	
Braids and twines .....	25	5,491,207	95	31			310,604		515	5,931,672	8,100,310	2,176,632	
Carpets, mats and rugs .....	6	1,366,925	3	4			52,934		22	402,152	721,767	319,630	
Clothing, men's .....	21	7,245,414	1,157	43			426,582		355	1,323,420	3,518,311	1,130,241	
Clothing, factory, women's ..	180	21,553,392	1,157	374			2,475,522		4,212	18,362,613	32,777,693	13,077,481	
Cordage, rope and twine .....	471	21,430,983	2,226	788			3,783,363		10,072	30,035,973	54,144,773	23,132,797	
Cotton .....	12	11,016,184	81	24			291,278		275	3,883,767	5,793,400	2,906,723	
Cotton and wool waste .....	20	4,812,464	130	179			374,000		1,111	2,051,461	4,187,617	2,133,126	
Cotton textiles, n.e.s. ....	14	813,063	37	13			81,750		72	898,509	1,227,120	386,511	
Cotton thread .....	34	1,943,741	66	28			172,251		479	1,379,166	2,535,067	1,155,921	
Cotton yarn and cloth .....	5	4,036,204	64	24			188,244		403	1,299,332	3,308,520	2,009,188	
Dyeing and finishing of textiles .....	34	74,023,179	405	109			1,171,278		6,275	22,531,449	43,136,425	20,904,974	
Dyeing, cleaning and laundry work .....	19	4,705,396	100	28			296,212		97	754,646	2,893,333	2,13,000	
Flax, dressed .....	407	25,621,564	824	465			2,174,277		6,562	1,968,029	21,021,684	19,050,155	
Flax, dressing goods, men's .....	8	90,358	3	-			2,425		1	41,477	77,513	36,035	
Flax, dressing goods, men's .....	167	16,649,101	532	250			1,564,619		6,353	11,534,873	20,978,478	9,443,605	





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1931. (Component Material Classification). - Cont'd.

Name of Industry	No. of Establishments	Capital \$	Employees on Salaries				Employees on Wages				Cost of Materials \$	Value of Products	
			Male		Female		Salaries \$	Male No.	Female No.	Wages \$		Gross \$	Net \$
			No.	No.	No.	No.							
3. - Textiles and Textile Products - Concl'd.													
Gloves and mittens, fabric	9	1,019,082	18		10		45,132		70	230	174,560	373,700	385,641
Hats and caps .....	144	6,935,142	368		166		944,962		1,285	1,860	2,697,751	6,107,297	5,930,355
Hosiery and knitted goods.	161	57,173,774	809		523		2,662,471		5,230	11,136	11,286,099	22,052,418	25,705,285
Linen goods and other flax products .....	4	571,518	11		5		26,438		50	84	76,385	141,023	184,404
Miscellaneous textiles, n.e.s. ....	12	15,128,638	224		36		616,813		859	133	906,367	3,648,454	4,515,123
Oiled and waterproof clothing .....	19	855,145	35		18		80,280		101	118	176,281	454,837	358,934
Silk and artificial silk .	23	32,205,207	427		186		1,212,984		3,032	2,628	4,546,011	6,482,197	11,705,295
Woollen cloth .....	54	22,027,056	327		103		863,112		2,305	1,842	317,332	6,219,386	6,886,147
Woollen goods, n.e.s. ....	23	7,532,239	80		23		259,582		641	217	671,552	1,734,476	2,549,768
Woollen yarn .....	28	6,281,965	67		26		179,948		630	827	942,644	2,209,645	2,338,104
4. - Wood and Paper Products	7,767	1,053,064,435	18,864		4,879		43,248,771		88,153	9,776	97,100,335	192,379,915	291,858,015
Beekkeepers' and poultry-men's supplies .....	7	119,548	9		2		13,404		24	-	23,105	64,355	56,275
Blue printing .....	19	237,219	38		11		65,740		39	5	38,763	110,997	209,289
Beat building .....	108	2,186,595	151		13		188,872		412	6	373,086	290,628	862,076
Boxes and bags, paper ....	122	21,562,581	560		193		1,742,689		1,974	2,082	3,181,993	9,627,461	9,041,102
Boxes, wooden .....	131	9,545,101	312		48		594,104		2,436	231	1,795,157	3,336,879	3,893,597
Carriages, wagons and sleighs .....	247	4,068,077	298		12		292,301		444	1	472,822	481,996	1,445,136
Carriage and wagon materials	4	400,786	10		3		20,309		71	-	69,567	119,463	156,224
Clothes pins .....	3	279,603	6		1		15,030		161	46	96,732	190,895	159,068
Coffins and caskets .....	35	3,685,003	108		26		257,513		563	90	629,810	1,102,101	1,665,390
Copperage .....	73	1,986,815	86		8		127,370		411	3	341,451	1,095,639	858,500
Engraving, stereotyping and electrotyping .....	75	9,189,817	409		152		1,266,278		1,532	425	3,032,730	1,344,091	6,053,351
Engraving .....	11	356,618	16		5		23,364		51	15	42,989	70,800	109,100
Flooring, hardwood .....	26	7,946,536	138		32		248,063		1,321	12	939,447	2,497,393	2,092,328
Furniture .....	372	36,657,497	1,010		278		2,516,688		8,377	342	7,500,339	10,588,707	15,516,464



Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1931. (Component Material Classification). - Cont'd.

Name of Industry	Estab-lish-ments	Capital \$	Employees on Salaries				Employees on Wages			Cost of Materials \$	Value of Products	
			Male		Female		Male	Female	Wages \$		Gross \$	Net \$
			No.	No.	No.	No.						
4. - Wood and Paper Products - Concl'd.												
Lasts, trees and shoe findings .....	11	1,160,355	45	24	302	164	356,198	329,279	1,211,563	882,284		
Lithographing .....	43	15,367,519	371	224	1,747	623	2,807,384	4,324,182	11,135,421	6,811,239		
Miscellaneous paper products .....	71	9,487,082	289	181	1,004,880	421	1,291,618	4,570,376	9,490,637	4,920,261		
Miscellaneous wooden products .....	161	5,554,016	240	43	340,758	123	753,146	1,450,176	3,337,537	1,887,361		
Planing mills, sash and door factories .....	673	40,790,104	1,374	222	2,389,448	53	5,957,026	13,703,622	26,219,473	12,515,851		
Printing and bookbinding ..	971	36,832,215	2,221	574	5,196,510	2,059	9,407,684	10,250,998	32,538,628	22,287,630		
Printing and publishing ...	764	65,573,014	5,600	1,878	12,626,269	1,439	13,749,394	14,029,548	65,700,122	51,670,574		
Pulp and paper .....	103	630,176,540	2,665	505	7,858,839	660	2,933,174	63,947,678	174,733,954	110,786,276		
Roofing paper, wallboard, etc. ....	12	5,572,835	118	52	389,219	343	389,835	2,336,505	5,384,592	3,048,087		
Sawmills .....	3,562	121,336,176	2,195	171	2,659,626	19,928	13,750,048	37,379,034	62,769,253	25,390,219		
Sporting goods .....	24	1,678,813	51	22	117,689	355	378,950	628,310	1,582,361	954,051		
Stationery and envelopes ..	40	6,056,962	239	122	670,341	500	986,914	3,676,693	6,360,772	2,684,079		
Trade composition .....	28	742,382	45	8	123,875	176	259,208	42,757	627,953	585,196		
Woodenware .....	15	1,324,977	50	8	120,699	406	263,763	366,861	958,312	591,751		
Wood turning .....	39	1,822,744	68	15	105,508	382	283,161	455,691	1,045,098	590,007		
All other industries .....	17	11,366,905	142	46	589,024	972	994,841	3,959,540	7,055,655	3,096,115		
5. - Iron and Its Products	1,243	676,270,362	11,909	2,953	31,759,379	79,777	89,000,552	170,751,696	374,725,068	203,970,382		
Agricultural implements ...	57	84,501,405	840	224	2,034,734	3,369	2,962,998	3,597,534	11,175,404	7,577,870		
Automobiles .....	26	59,638,057	1,301	456	4,288,009	7,612	8,825,183	3,000,855	59,674,345	23,197,990		
Automobile supplies .....	73	15,617,986	377	131	981,303	2,213	2,448,238	774,811	12,600,256	5,375,443		
Bicycles .....	3	2,245,458	12	4	29,822	296	292,213	900,791	920,694	719,903		
Boilers, tanks and engines, Bridge and structural steel work .....	40	10,833,223	325	65	872,401	1,411	1,504,015	2,640,600	6,367,008	3,726,343		
Castings and forgings ...	21	27,469,351	954	120	2,560,122	3,347	4,483,422	9,132,721	22,170,215	13,037,494		
Hardware and tools .....	333	95,377,318	1,756	486	1,710,798	14,566	14,492,436	18,598,048	51,455,246	32,857,944		
Iron and steel products, n.e.s.	134	29,988,116	567	225	1,627,548	3,657	3,593,322	4,156,374	13,271,113	9,114,739		
	69	4,831,290	279	49	567,590	1,211	1,280,987	1,958,130	4,590,652	2,632,522		





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1931. (Component Material Classification). - Cont'd.

Name of Industry	No. of Establishments	Capital	Employees on Salaries				Employees on Wages				Cost of Materials	Value of Products	
			Male		Female		Male	Female	Wages	Materials		Gross	Net
			No.	No.	No.	No.							
5. - Iron and Its Products - Concl'd.	No.	\$	No.	No.	No.	No.	No.	\$	\$	\$	\$		
Machinery .....	172	62,752,673	1,621	482			6,417	124	6,699,949	11,120,332	34,492,915	23,372,583	
Primary iron and steel .....	53	104,512,104	663	130			7,219	14	9,054,229	15,291,414	36,911,245	21,619,831	
Railway rolling stock .....	38	97,484,985	1,681	100			19,958	34	24,318,104	35,335,573	67,865,070	32,529,497	
Sheet metal products .....	157	52,352,956	1,139	350			5,811	688	6,453,607	20,230,852	39,039,005	18,808,153	
Wire and wire goods .....	67	28,665,440	394	131			2,682	210	2,591,844	5,291,121	14,191,850	8,900,729	
6. - Non-ferrous Metal Products													
Aluminum products .....	455	318,395,983	5,643	1,865			22,926	3,980	30,937,661	95,342,788	211,862,412	116,519,624	
Brass and copper products .....	14	4,540,834	161	52			503	77	601,739	2,066,851	3,597,764	1,530,913	
Electrical apparatus and supplies .....	127	24,351,059	775	183			3,262	217	3,713,755	7,200,608	16,052,756	8,852,148	
Jewelry and silverware .....	163	100,057,945	3,466	1,288			10,296	3,157	13,052,864	32,385,342	81,578,595	49,193,253	
Lead, tin and zinc products ..	95	8,511,317	328	192			1,496	419	1,959,758	2,892,228	7,449,754	4,557,526	
Miscellaneous non-ferrous metal products .....	23	4,507,307	87	36			318	91	405,577	2,330,652	4,137,600	1,806,948	
Non-ferrous metal smelting ...	19	758,326	51	11			69	19	89,720	130,806	480,188	349,382	
	14	175,669,195	775	103			6,982	-	11,114,248	48,336,301	98,565,755	50,229,454	
7. - Non-metallic Mineral Products -													
Abrasive products .....	1,272	328,873,782	3,347	718			20,312	518	24,407,318	78,945,766	161,431,906	102,486,140	
Aerated and mineral waters ...	14	6,070,652	101	37			546	7	667,166	1,709,983	4,857,914	3,147,931	
Asbestos products .....	402	13,923,371	467	101			1,778	94	2,012,774	3,300,776	13,064,353	9,763,577	
Cement .....	13	1,112,141	43	13			169	15	191,740	729,771	1,308,183	578,412	
Cement products .....	12	57,378,436	110	11			1,699	-	2,164,516	-	15,826,243	15,826,243	
Clay products from domestic clay	157	5,081,227	183	19			960	4	945,341	1,245,483	3,807,188	2,561,705	
Clay products from imported clay	189	33,819,164	390	45			2,824	-	2,622,469	-	7,841,288	7,841,288	
Coke and gas products .....	14	4,320,382	69	17			662	84	732,133	695,706	2,455,738	1,760,032	
Glass products .....	41	95,872,858	737	235			3,032	2	4,040,720	13,994,061	31,249,460	17,355,399	
Lime .....	66	14,873,963	269	79			2,337	271	2,872,708	3,586,570	9,937,411	6,350,541	
Miscellaneous non-metallic mineral products .....	60	7,289,990	67	11			721	-	664,343	-	2,764,415	2,764,415	
Petroleum products .....	31	8,427,102	113	23			425	21	434,362	1,203,943	3,727,158	2,523,615	
Salt .....	32	68,136,281	478	64			3,567	13	4,972,208	50,617,742	76,158,644	25,540,902	
	7	4,196,927	41	16			300	-	334,505	-	1,504,149	1,504,149	





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1931. (Component Material Classification). - Cont'd.

Name of Industry	No. of Establishments	Capital \$	Employees on Salaries				Employees on Wages				Cost of Materials \$	Value of Products	
			Male		Female		Male	Female	Wages \$	Gross \$		Net \$	
			No.	No.	No.	No.							
7. - Non-metallic Mineral Products - Concl'd.	11	1,490,453	23	1			159	-	148,739	191,572	540,390	348,818	
Sand-lime brick .....													
Stone, monumental and ornamental .....	223	6,880,835	256	46			1,127	7	1,603,594	1,770,559	5,989,372	4,218,813	
8. - Chemicals and Chemical Products .....	621	163,863,072	3,599	1,394			7,748	2,466	10,647,735	40,756,550	105,501,905	64,745,355	
Acids, alkalis and salts ..	14	44,994,828	341	26			1,324	3	1,655,609	2,407,682	10,952,497	8,544,815	
Adhesives .....	13	2,850,507	36	14			239	8	255,154	877,802	1,742,553	864,751	
Coal tar distillation .....	10	5,013,678	30	5			158	-	200,697	1,850,751	2,576,102	725,351	
Explosives, ammunition and fireworks .....	9	9,868,935	102	9			877	240	1,059,609	2,826,856	8,540,927	5,714,071	
Fertilizers .....	18	15,615,119	130	27			478	1	529,288	3,053,016	4,251,840	1,198,824	
Flavouring extracts .....	25	1,389,683	69	15			72	71	119,503	778,172	1,434,031	655,859	
Gases, compressed .....	30	4,597,170	153	67			195	5	256,576	429,048	2,818,306	2,389,258	
Inks, printing and writing ..	23	2,319,662	116	33			199	22	282,169	762,112	2,309,062	1,546,950	
Medicinal and pharmaceutical preparations .....													
Miscellaneous chemical products .....	144	17,848,713	693	433			798	942	1,647,534	5,590,546	18,110,794	12,520,248	
Paints, pigments and varnishes	88	10,882,595	337	183			710	349	980,728	3,183,787	8,751,100	5,567,313	
Polishes and dressings .....	75	24,985,476	896	254			1,450	180	1,742,748	7,974,852	18,536,463	10,561,611	
Soaps and washing compounds	42	1,966,126	92	37			104	57	176,259	665,302	1,783,549	1,118,247	
Toilet preparations .....	69	15,322,398	459	143			876	221	1,241,781	7,990,246	17,047,452	9,057,206	
Food distillation .....	56	4,564,109	132	148			158	367	409,060	1,987,231	5,946,292	3,959,061	
Food distillation .....	5	1,644,073	13	-			110	-	91,020	379,147	700,937	321,790	
9. - Miscellaneous Industries													
Advertising and other novelties .....	464	75,682,761	1,878	604			8,668	1,671	10,367,305	17,160,861	45,350,322	28,189,461	
Aircraft .....	14	306,937	20	11			35	88	71,665	191,385	381,325	189,940	
Artificial flowers and feathers .....	7	2,160,435	65	12			166	14	188,747	461,961	1,210,008	748,047	
Artificial flowers and feathers .....	6	238,358	10	16			7	70	40,582	55,260	158,615	103,355	



Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1931. (Component Material Classification). - Concl'd.

Name of Industry	No. of Establishments	Capital	Employees on Salaries				Employees on Wages			Cost of Materials	Value of Products		
			Male		Female		Salaries	Male	Female		Wages	Gross	Net
			No.	No.	No.	No.							
	No.	\$	No.	No.	\$	No.	No.	\$	\$	\$	\$		
- Miscellaneous Industries													
Concl'd. -													
Automobile accessories, fabric.	9	323,473	9	5	29,215	53	24	65,388	125,403	283,515	158,112		
Brooms, brushes and mops .....	76	3,929,871	202	74	411,620	868	203	822,823	1,502,280	3,770,464	2,268,184		
Buttons .....	11	1,177,573	53	11	131,572	188	161	221,533	217,510	773,710	556,200		
Candles .....	11	638,290	18	9	57,825	38	22	41,201	175,837	447,074	271,237		
Fountain pens and pencils .....	6	1,541,985	62	31	172,700	135	112	184,940	683,825	1,800,594	1,116,769		
Ice, artificial .....	43	5,506,873	86	20	182,442	279	9	356,874	78,334	1,973,306	1,894,972		
Travel cases and silverware													
Cabinets .....	6	232,309	14	12	27,975	33	30	50,538	64,938	163,636	98,698		
Mattresses and springs .....	60	6,386,443	232	68	720,273	1,101	225	1,264,909	3,289,883	6,504,777	3,214,894		
Motion pictures .....	7	1,065,428	126	47	272,538	13	6	23,356	385,832	872,966	487,134		
Musical instruments .....	30	7,872,977	223	64	580,326	1,089	180	1,227,520	2,805,941	5,496,471	2,690,530		
Refrigerators, other than electric													
or gas .....	9	1,121,406	20	9	52,918	178	2	158,130	282,465	696,839	414,374		
Regalia and society emblems ...	11	198,252	11	7	33,144	17	27	37,112	53,213	155,834	102,621		
Scientific and professional													
equipment ....	24	12,595,249	114	83	385,249	441	216	711,773	1,952,135	5,376,158	3,424,023		
Shipbuilding and repairs .....	39	26,494,916	407	51	982,212	3,329	4	3,915,776	3,643,154	11,113,099	7,469,245		
Signs, electric .....	10	735,077	40	8	59,688	172	-	249,707	187,793	1,112,100	924,307		
Stamps and stencils, rubber and													
metal .....	30	684,733	63	18	132,138	178	9	208,557	75,223	540,396	465,173		
Statuary, art goods and church													
supplies .....	30	814,057	45	18	89,355	171	153	255,922	315,021	1,011,759	696,738		
Store display accessories .....	3	255,068	10	6	22,095	39	5	47,919	57,825	121,530	98,705		
Toys and toy equipment .....	9	273,098	9	4	21,068	51	41	72,158	115,695	326,006	210,311		
Typewriter supplies .....	4	729,744	23	15	112,707	47	23	84,948	265,541	671,713	406,172		
Umbrellas .....	6	267,505	12	4	36,935	23	42	46,243	180,492	313,587	133,095		
All other industries .....	3	132,704	4	1	9,085	17	5	18,984	28,215	74,840	46,625		
- Central Electric Stations.	1,011	1,229,988,951	5,554	1,464	12,347,422	9,996	-	13,959,534	-	122,310,730	122,310,730		





CANADA  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

ADVANCE REPORT  
on the  
MANUFACTURING INDUSTRIES  
of  
CANADA  
1932

+++

Published by Authority of the Hon. H.H. Stevens, M.P.  
Minister of Trade and Commerce.

+++

OTTAWA  
1934





DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
GENERAL MANUFACTURES DIVISION  
OTTAWA - CANADA

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.  
Acting Chief, General Manufactures Division: A. Cohen, B.Com.

ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1932.

The downward trend in manufacturing activity begun in the fall of 1929 continued with increasing force in 1932. The output of manufactured products was valued at \$2,126,194,555, a decrease of \$572,267,307 or 21.2 per cent as compared with 1931 and a decrease of \$1,903,176,785 or 47.2 per cent as compared with 1929. Employment also declined during the past few years. The number of persons engaged in manufacturing dropped from 694,434 in 1929 to 557,426 in 1931 with another severe decline in 1932 to 495,398. Since 1929 the number of persons employed declined by 199,036 or 28.7 per cent. Salaries and wages paid and value added by manufacture both registered sharp declines from the record attained in 1929 as the following table shows.

	PERCENTAGE DECREASE			
	1930 compared with 1929	1931 compared with 1930	1932 compared with 1931	1932 compared with 1929
Employees .....	- 7.2	- 13.5	- 11.1	- 28.7
Salaries and wages paid .....	- 9.5	- 15.2	- 19.0	- 37.8
Gross value of products .....	- 14.9	- 21.3	- 21.2	- 47.2
Value added by manufacture .....	- 11.8	- 16.3	- 20.6	- 41.4

The large decrease in the number of employees in 1931 and 1932 is not, however, entirely due to the decline in manufacturing production. The decrease is in part due to the change in method of computing the average annual employment of wage-earners. Between 1925 and 1930 the average was obtained by summing the averages of individual plants, based on the number of months in actual operation and not by dividing by twelve the sum of the monthly employment figures. For example, if a plant operated only during three months of the year with an employment of 100 persons the first month, 125 the second month and 75 the third month, its average annual employment was taken as 100 ( $300 \div 3$ ); the same as that of another plant which operated the whole year with an average employment of 100 persons per month. In 1931, however, a change was made to the old method, whereby the aggregate of the monthly figures is divided by 12. This method gives the man year that each plant operates. The change in method, therefore, affects the average annual employment as well as the average wages paid in seasonal industries, such as fruit and vegetable canning, fish canning, sawmills, etc.

Provinces where seasonal industries predominate, therefore, show a proportionately greater decrease in the number of employees in 1931 and 1932 as compared with the decrease in the salaries and wages paid, while industries that operate throughout the entire year are not affected by this change.

All groups reported decreases in the number of employees, salaries and wages paid and gross value of production. The only exceptions being central electric stations with an increase of five per cent in the gross value of production and the chemical group with an increase of .6 per cent in the number of employees. Of the major industrial groups the animal products and the textile industries suffered the least from the depressed business conditions prevailing in 1932. Compared with the previous year, the animal products group reported a decrease of 2.6 per cent in the number of persons employed, 10.4 per cent in the amount paid out in salaries and wages and 18.1 per cent in the gross value of products, while the textile industries reported a drop of 3.2 per cent in the number of persons employed, 11.5 per cent in the salaries and wages paid and 13.5 per cent in the value of products. The "iron" and "non-ferrous metal" groups, however, reported the greatest decline in employment, salaries and wages paid and gross value of production, as the following table shows.





ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1932.

	Percentage Increase or Decrease in		
	Number of Employees	Salaries and Wages Paid	Gross Value of Products
CANADA .....	- 11.2	- 19.0	- 21.2
Prince Edward Island .....	- 2.0	- 10.4	- 13.9
Nova Scotia .....	- 13.9	- 24.7	- 28.8
New Brunswick .....	- 8.5	- 16.4	- 14.0
Quebec .....	- 10.8	- 19.2	- 21.3
Ontario .....	- 11.4	- 18.3	- 21.6
Manitoba .....	- 8.0	- 21.3	- 18.9
Saskatchewan .....	- 8.7	- 15.3	- 18.4
Alberta .....	- 5.5	- 16.3	- 19.2
British Columbia and Yukon .....	- 14.3	- 22.1	- 20.0
ALL GROUPS .....	- 11.1	- 19.0	- 21.2
Vegetable products .....	- 6.8	- 11.3	- 18.4
Animal products .....	- 2.6	- 10.4	- 18.1
Textiles and textile products .....	- 3.2	- 11.5	- 13.5
Wood and paper products .....	- 11.4	- 19.7	- 23.7
Iron and its products .....	- 23.4	- 31.9	- 39.7
Non-ferrous metal products .....	- 22.4	- 28.9	- 28.2
Non-metallic mineral products .....	- 18.3	- 24.0	- 18.5
Chemicals and chemical products .....	- .6	- 4.3	- 9.7
Miscellaneous industries .....	- 12.9	- 21.7	- 26.8
Central electric stations .....	- 9.5	- 11.6	+ 5.0

Manufacturing establishments reporting in 1932 numbered 24,544. Of these, 9,844 were located in Ontario, 7,851 in Quebec, 1,643 in British Columbia and Yukon, 1,404 in Nova Scotia, 970 in Manitoba, 943 in Alberta, 841 in New Brunswick, 774 in Saskatchewan and 274 in Prince Edward Island. These plants represented a capital investment of \$4,741,255,610 in fixed and working capital; they furnished employment to 495,398 persons who were paid \$505,883,323 in salaries and wages. They also produced goods with a selling value at the factory of \$2,126,194,555 and spent \$955,968,683 for materials, leaving the value added by manufacture at \$1,170,225,872. It should be remembered that the value added by manufacture does not represent the manufacturers' profits. The value added by manufacture is obtained by subtracting the cost of the materials from the value of the products. The difference represents the value added to the raw materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, profits, etc. Compared with the previous year, there was a decline of \$304,355,979 in the value added by manufacture.

The manufacturing industries of Canada are concentrated largely in the provinces of Ontario and Quebec, although the Western Provinces are beginning to assume increasing importance. Ontario is the dominant manufacturing province of Canada. In 1932 with only 40.1 per cent of the establishments, it employed 45.2 per cent of the capital, 48.3 per cent of the number of employees and produced 48.4 per cent of the entire output.

As mentioned above, the number of persons engaged in the manufacturing industries of Canada in 1932 totalled 495,398. Of these, 95,070 were salaried employees who were paid \$164,695,605 in salaries and 400,328 wage-earners who were paid \$341,187,718 in wages. In 1932 the average salary was \$1,732 and the average wage was \$852. Compared with the previous year, there was a decrease of \$140 in the average salary and \$105 in the average wage. In addition to the payments of salaries and wages, the fish cannery paid \$477,714 to 3,439 inside piece-workers who do not form part of the regular working force, while \$101,674 was paid to outside piece-workers, all of whom were employed in the textile group of industries.

From statistics of the forty leading industries (table 5) it may be seen that the pulp and paper industry again exceeded all others in the gross value of production. Other leading industries in order of their importance were.





ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1932.

<u>Rank in 1932</u>	<u>Industry</u>	<u>Rank in 1931</u>
1.	Pulp and Paper.	1.
2.	Central Electric Stations.	2.
3.	Slaughtering and Meat Packing.	3.
4.	Flour and Feed Mills.	5.
5.	Butter and Cheese.	6.
6.	Non-Ferrous Metal Smelting.	4.
7.	Petroleum Products.	8.
8.	Printing and Publishing.	11.
9.	Bread and Other Bakery Products.	12.
10.	Electrical Apparatus and Supplies.	7.

In salaries and wages paid, which is probably a better index of the importance of an industry, the order of the leading industries is materially changed. Pulp and paper comes first in this category too. The leading industries were as follows.

<u>Rank in 1932</u>	<u>Industry</u>	<u>Rank according to Gross Value of Products</u>
1.	Pulp and Paper.	1.
2.	Printing and Publishing.	8.
3.	Central Electric Stations.	2.
4.	Railway Rolling Stock.	21.
5.	Electrical Apparatus and Supplies.	10.
6.	Bread and Other Bakery Products.	9.
7.	Printing and Bookbinding.	23.
8.	Hosiery and Knitted Goods.	12.
9.	Clothing, women's, Factory.	13.
10.	Castings and Forgings.	26.

Detailed statistics of the manufacturing industries of Canada are given in the following series of tables.

- Table 1. Summary Statistics of Manufactures, 1923-1932.  
 Table 2. Principal Statistics Compared for 1931 and 1932.  
 Table 3. Principal Statistics, by Provinces, 1931 and 1932.  
 Table 4. Principal Statistics, by Groups, 1931 and 1932.  
 Table 5. Principal Statistics of the Forty Leading Industries, 1931 and 1932.  
 Table 6. Principal Statistics of the Industries Composing Each Group, 1932.

Table 1. - Summary Statistics of Manufactures, 1923-1932.

<u>Year</u>	<u>Estab- lish- ments</u>	<u>Capital Invested</u>	<u>Em- ployees</u>	<u>Salaries and Wages</u>	<u>Cost of Materials Used</u>	<u>Gross Value of Products</u>
	<u>No.</u>	<u>\$</u>	<u>No.</u>	<u>\$</u>	<u>\$</u>	<u>\$</u>
1923 <sup>x</sup> .....	22,642	3,380,322,950	525,267	571,470,028	1,470,140,139	2,781,165,514
1924 <sup>x</sup> .....	22,178	3,538,813,460	508,503	559,884,045	1,438,409,681	2,695,053,582
1925 .....	22,331	3,808,309,081	544,225	596,015,171	1,587,665,408	2,948,545,315
1926 .....	22,708	3,981,569,590	581,539	653,850,933	1,728,624,192	3,221,269,231
1927 .....	22,936	4,337,631,558	616,933	693,932,228	1,758,789,334	3,394,713,270
1928 .....	23,379	4,780,296,049	658,023	755,199,372	1,919,438,703	3,738,484,728
1929 .....	23,597	5,083,014,754	694,434	813,049,842	2,032,020,975	4,029,371,340
1930 .....	24,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
1931 .....	24,501	4,961,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862
1932 .....	24,544	4,741,255,610	495,398	505,883,323	955,968,683	2,126,194,555

<sup>x</sup> Statistics for 1923 and 1924 do not include the Non-Ferrous Metal Smelting Industry.





ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1932.

Table 2. - Principal Statistics Compared for 1931 and 1932.

	1931	1932	± Increase or - Decrease 1932 over 1931
Establishments ..... No.	24,501	24,544	± 43
Capital Invested ..... \$	4,961,312,408	4,741,255,610	- 220,056,798
Average capital per establishment ..... \$	202,494	193,174	- 9,320
Employees on salaries ... No.	99,798	95,070	- 4,728
Salaries ..... \$	186,810,794	164,695,605	- 22,115,189
Average salary ..... \$	1,872	1,732	- 140
Employees on wages ..... No.	457,628	400,328	- 57,300
Wages ..... \$	437,734,767	341,187,718	- 96,547,049
Average wage ..... \$	957	852	- 105
Outside piece-workers ... No.	1,035	762	- 273
Payments to piece-workers \$	159,194	101,674	- 57,520
Cost of materials ..... \$	1,223,880,011	955,968,683	- 267,911,328
Average cost of materials per establishment ..... \$	49,952	38,949	- 11,003
Value of production ..... \$	2,698,461,862	2,126,194,555	- 572,267,307
Average value of products per establish- ment ..... \$	110,137	86,628	- 23,509
Value added by manufacture ..... \$	1,474,581,851	1,170,225,872	- 304,355,979
Average value added by manufacture per estab- lishment ..... \$	60,185	47,679	- 12,506

Table 3. - Principal Statistics Compared, by Provinces, 1931 and 1932.

Province	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Products \$
<b>1931</b>						
CANADA ...	24,501	4,961,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862
Prince Edward Island ....	290	4,019,288	1,170	809,122	2,349,367	4,136,576
Nova Scotia.	1,449	129,824,727	16,175	14,881,673	33,288,250	70,679,503
New Brunswick	872	128,859,472	13,107	12,706,897	25,631,856	55,209,818
Quebec .....	7,505	1,662,811,076	180,808	187,362,564	369,044,132	849,154,353
Ontario ....	10,140	2,285,361,451	269,739	313,676,300	597,879,792	1,312,400,828
Manitoba ...	955	191,935,311	24,193	30,706,209	55,149,392	118,540,865
Saskatchewan	768	68,547,866	6,061	7,546,703	22,540,618	44,265,151
Alberta ....	886	107,427,603	11,798	14,213,753	36,090,169	68,367,411
British Columbia and Yukon .	1,636	382,525,614	34,375	42,642,340	81,906,435	175,707,357
<b>1932</b>						
CANADA ...	24,544	4,741,255,610	495,398	505,883,323	955,968,683	2,126,194,555
Prince Edward Island ....	274	3,867,195	1,147	725,237	1,949,038	3,566,968
Nova Scotia.	1,404	125,639,707	13,142	11,199,861	22,920,430	50,351,054
New Brunswick	841	117,454,168	11,987	10,623,685	20,776,650	47,472,393
Quebec .....	7,851	1,632,955,979	161,439	151,481,138	292,203,152	668,417,093
Ontario ....	9,844	2,144,008,857	239,231	256,207,232	459,910,999	1,028,397,654
Manitoba ...	970	190,545,652	22,255	24,157,589	45,591,099	96,056,029
Saskatchewan	774	63,294,823	5,535	6,392,062	18,214,555	36,101,516
Alberta ....	943	100,609,788	11,174	11,886,114	28,442,192	55,293,832
British Columbia and Yukon .	1,643	362,879,441	29,488	33,210,405	65,960,568	140,538,016



Table 4. - Principal Statistics Compared by Groups of Industries, 1931 and 1932.

	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1931						
Vegetable products .....	5,283	545,387,574	77,706	79,022,515	260,604,562	535,079,463
Animal products .....	4,430	217,441,415	51,297	51,270,503	214,743,508	320,803,456
Textiles and textile products .....	1,955	352,344,073	105,473	92,504,088	153,191,375	317,158,670
Wood and paper products .....	7,767	1,053,064,435	121,672	140,349,106	192,379,915	484,237,930
Iron and its products .....	1,243	676,270,362	96,927	120,759,931	170,754,686	374,725,068
Non-ferrous metal products .....	455	318,395,983	34,414	46,111,373	95,342,788	211,862,412
Non-metallic mineral products .....	1,272	328,873,782	24,895	32,219,282	78,945,766	181,431,906
Chemicals and chemical products .....	621	163,863,072	15,207	20,867,948	40,756,550	105,501,905
Miscellaneous industries .....	464	75,682,761	12,821	15,133,859	17,160,861	45,350,322
Central electric stations .....	1,011	1,229,988,951	17,014	26,306,956	-	122,310,730
TOTAL .....	24,501	4,961,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862
1932						
Vegetable products .....	5,244	516,356,149	72,390	70,047,452	225,135,488	436,736,251
Animal products .....	4,413	193,015,462	49,953	45,979,793	167,170,394	262,793,629
Textiles and textile products .....	2,002	321,593,062	102,116	82,817,944	129,468,738	274,411,736
Wood and paper products .....	7,844	954,639,232	107,834	112,372,202	142,349,790	369,601,600
Iron and its products .....	1,233	608,619,518	74,214	82,339,437	102,289,749	225,832,185
Non-ferrous metal products .....	452	272,045,441	26,704	32,755,103	67,934,940	152,111,317
Non-metallic mineral products .....	1,182	312,569,679	20,342	24,479,677	74,358,159	147,765,618
Chemicals and chemical products .....	662	160,929,954	15,295	20,008,108	35,276,531	95,279,376
Miscellaneous industries .....	479	65,600,126	11,155	11,822,441	11,984,894	33,242,610
Central electric stations .....	1,033	1,335,886,987	15,395	23,261,166	-	128,420,235
TOTAL .....	24,544	4,741,255,610	495,398	505,883,323	955,568,683	2,126,194,555





Table 5(a). - Principal Statistics of the Forty Leading Industries of Canada, 1932.

	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1. Pulp and paper .....	98	597,550,013	24,561	28,348,128	48,970,967	135,648,729
2. Central electric stations .....	1,033	1,335,886,987	15,395	23,261,166	-	128,420,233
3. Slaughtering and meat packing .....	141	53,227,929	9,101	10,349,315	65,575,957	91,246,523
4. Flour and feed mills .....	1,290	58,283,212	5,586	5,576,395	63,177,656	84,748,800
5. Butter and cheese .....	2,708	50,924,744	11,908	11,219,366	51,768,536	78,712,905
6. Non-ferrous metal smelting .....	13	149,708,860	5,343	8,778,970	37,719,947	76,442,076
7. Petroleum products .....	31	69,475,860	4,116	5,980,681	52,237,387	71,697,757
8. Printing and publishing .....	762	61,156,728	15,911	23,406,606	11,193,930	54,812,748
9. Bread and other bakery products .....	2,861	48,961,175	16,856	15,909,805	23,431,275	53,450,352
10. Electrical apparatus and supplies .....	169	82,458,754	14,305	16,262,368	20,414,844	53,264,918
11. Automobiles .....	25	49,641,777	8,810	11,435,741	28,278,809	43,801,389
12. Hosiery and knitted goods .....	169	52,604,950	17,655	13,474,974	19,349,634	43,252,752
13. Clothing, factory, women's .....	461	18,147,033	14,276	12,117,879	23,983,585	42,564,589
14. Sugar refineries .....	8	37,654,457	2,140	3,147,753	25,716,922	41,022,589
15. Rubber goods, including footwear .....	47	65,794,903	10,325	9,340,911	11,906,696	40,746,910
16. Cotton yarn and cloth .....	35	72,504,504	15,092	11,684,979	19,158,046	38,555,370
17. Sawmills .....	3,593	80,796,425	18,285	10,761,090	23,405,576	38,506,647
18. Breweries .....	75	57,398,055	4,353	5,932,225	10,210,482	38,212,192
19. Biscuits, confectionery, chocolate, etc. ...	262	45,402,886	10,526	9,425,498	15,594,694	37,386,093
20. Tobacco, cigars and cigarettes .....	116	42,351,650	8,236	7,127,070	18,787,261	37,361,781
21. Railway rolling stock .....	38	87,289,160	15,612	17,460,142	14,101,765	32,465,192
22. Boots and shoes .....	191	22,024,801	13,728	11,156,856	15,753,021	32,242,416
23. Printing and bookbinding .....	1,055	39,451,964	11,679	13,874,016	10,967,767	31,270,486
24. Fruit and vegetable preparations .....	258	40,586,892	5,954	4,056,746	15,600,602	30,034,537
25. Coke and gas products .....	42	93,534,495	3,639	4,897,746	12,241,698	29,812,650
26. Castings and forgings .....	322	79,225,330	12,452	11,821,243	9,825,439	29,285,144
27. Sheet metal products .....	157	51,671,470	6,372	6,756,826	14,831,672	27,886,299
28. Clothing, factory, men's .....	163	16,434,048	8,098	7,269,994	15,262,351	27,289,591
29. Machinery .....	179	57,753,031	7,191	7,894,912	7,731,233	22,270,195
30. Silk and artificial silk .....	24	28,021,412	7,036	5,756,865	7,858,104	19,864,843
31. Coffee, tea and spices .....	63	14,191,519	1,859	2,486,106	13,066,931	19,014,351
32. Furniture .....	380	30,910,489	8,348	6,882,087	5,921,666	17,998,842
33. Furnishing goods, men's .....	153	13,880,827	7,565	4,969,615	9,653,947	17,607,656
34. Medicinal and pharmaceutical preparations ..	151	18,379,601	2,959	3,833,778	5,595,117	17,573,979





Table 5(a). - Principal Statistics of the Forty Leading Industries of Canada, 1932. - (Concl'd.)

	Establishments No.	Capital Invested \$	Employees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
35. Dyeing, cleaning and laundry work .....	409	24,893,114	11,170	9,020,441	1,587,586	17,302,779
36. Boxes and bags, paper .....	126	20,110,391	4,654	4,412,048	8,787,604	17,026,439
37. Fish canning and curing .....	629	17,043,212	4,128	2,344,164	10,263,631	16,684,125
38. Primary iron and steel .....	52	96,323,629	4,847	6,131,057	6,289,483	16,197,526
39. Planing mills .....	659	37,434,946	6,290	5,514,957	8,073,672	15,500,259
40. Paints, pigments and varnishes .....	71	23,978,252	2,658	3,858,813	6,295,860	14,912,383
TOTAL, FORTY LEADING INDUSTRIES .....	19,019	3,843,069,485	379,019	383,939,332	770,591,353	1,682,095,045
TOTAL, ALL INDUSTRIES .....	24,544	4,741,255,610	495,398	505,883,323	955,968,683	2,126,194,555
PERCENTAGE OF FORTY LEADING INDUSTRIES TO ALL INDUSTRIES .....	77.49	81.06	76.51	75.89	80.61	79.11

Table 5(b). - Principal Statistics of the Forty Leading Industries of Canada, 1931.

	Establishments No.	Capital Invested \$	Employees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
1. Pulp and paper .....	103	630,176,540	26,669	34,792,013	63,947,678	174,733,954
2. Central electric stations .....	1,011	1,229,988,951	17,014	26,306,956	-	122,310,730
3. Slaughtering and meat packing .....	147	62,481,905	9,294	11,626,678	91,276,842	117,596,697
4. Non-ferrous metal smelting .....	14	175,669,195	7,860	13,245,327	48,336,301	98,565,755
5. Flour and feed mills .....	1,265	61,069,192	5,671	6,032,189	71,771,797	95,728,540
6. Butter and cheese .....	2,676	52,381,144	11,965	12,259,926	64,661,837	95,728,398
7. Electrical apparatus and supplies .....	163	100,057,945	18,207	22,474,319	32,385,342	81,578,595
8. Petroleum products .....	32	68,136,281	4,122	6,214,745	50,617,742	76,158,644
9. Tobacco, cigars and cigarettes .....	105	50,194,202	9,091	8,096,769	21,448,879	74,926,154
10. Railway rolling stock .....	38	97,484,985	21,773	28,111,765	35,335,573	67,865,070
11. Printing and publishing .....	764	65,573,014	16,918	26,375,663	14,029,548	65,700,122
12. Bread and other bakery products .....	2,912	54,267,110	18,337	18,862,604	28,619,776	64,818,227



Table 5(b). - Principal Statistics of the Forty Leading Industries of Canada, 1931. - (Concl'd.)

	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
13. Sawmills .....	3,562	121,336,176	22,361	16,409,674	37,379,034	62,769,253
14. Automobiles .....	26	59,638,057	9,545	13,113,192	36,476,355	59,674,345
15. Clothing, factory, women's .....	471	21,430,983	15,648	15,018,195	30,955,973	54,140,770
16. Rubber goods, including footwear .....	48	67,446,955	12,158	11,708,387	17,630,081	52,691,230
17. Castings and forgings .....	333	95,377,318	17,049	19,203,234	18,598,048	51,455,296
18. Biscuits, confectionery, chocolate, etc. ....	282	51,530,443	12,145	10,892,636	20,207,678	49,285,042
19. Breweries .....	80	63,140,211	4,679	6,601,528	13,289,689	49,055,739
20. Hosiery and knitted goods .....	161	57,173,774	17,698	13,948,570	22,052,418	47,757,703
21. Sugar refineries .....	8	37,691,433	2,265	3,307,730	29,196,494	43,962,061
22. Cotton yarn and cloth .....	34	74,023,179	15,802	12,362,032	22,231,449	43,136,423
23. Sheet metal products .....	157	52,352,956	7,988	9,265,806	20,230,852	39,039,005
24. Primary iron and steel .....	53	104,512,104	8,026	11,072,054	15,291,414	36,911,245
25. Boots and shoes .....	184	25,844,168	14,150	12,340,283	17,949,804	36,625,565
26. Machinery .....	172	62,752,673	8,644	10,793,352	11,120,332	34,492,915
27. Clothing, factory, men's .....	180	21,599,392	9,701	9,585,462	18,362,813	33,950,083
28. Fruit and vegetable preparations .....	278	48,152,325	6,329	4,509,377	18,668,100	32,572,580
29. Printing and bookbinding .....	971	36,832,215	11,189	14,604,194	10,250,998	32,538,628
30. Coke and gas products .....	41	95,872,858	4,006	5,616,763	13,894,061	31,249,460
31. Furniture .....	372	36,657,497	10,007	10,047,027	10,588,707	27,135,171
32. Planing mills, sash and door factories .....	673	40,790,104	7,952	9,346,474	13,703,622	26,219,473
33. Bridge and structural steel work .....	21	27,469,351	4,421	7,143,544	9,132,721	22,170,215
34. Coffee, tea and spices .....	59	13,500,659	1,639	2,251,103	14,384,811	21,987,257
35. Dyeing, cleaning and laundry work .....	407	25,621,564	11,772	10,671,615	1,968,029	21,024,684
36. Furnishing goods, men's .....	167	16,649,101	8,139	5,787,221	11,534,873	20,578,478
37. Fish curing and packing .....	662	19,085,513	4,268	2,761,423	11,920,834	18,826,893
38. Boxes and bags, paper .....	122	21,562,581	4,809	4,924,682	9,627,461	18,668,563
39. Paints, pigments and varnishes .....	75	24,985,476	2,780	4,281,861	7,974,852	18,536,463
40. Silk and artificial silk .....	23	32,205,207	6,273	5,758,955	6,482,197	18,187,492
TOTAL, FORTY LEADING INDUSTRIES .....	18,852	4,002,714,737	428,364	476,725,368	993,535,015	2,140,752,918
TOTAL, ALL INDUSTRIES .....	24,501	4,961,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862
PERCENTAGE OF FORTY LEADING INDUSTRIES TO ALL INDUSTRIES .....	76.94	80.68	76.85	76.33	81.18	79.33





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1932. (Component Material Classification)

Name of Industry	Estab-lish-ments No.	Capital Invested \$		Employees on Salaries		Employees on Wages		Cost of Materials \$	Value of Products	
		Male No.	Female No.	Male No.	Female No.	Male No.	Female No.		Gross \$	Net \$
1. - Vegetable Products .....	5,244	11,489	2,816	39,817	18,268	45,927,453		225,135,488	436,736,251	211,600,763
Biscuits, confectionery, cocoa, etc. ....	262	1,795	524	4,087,777		5,337,721		15,594,694	37,386,093	21,791,399
Bread and other bakery products .....	2,861	2,156	515	2,675,161		13,234,644		23,431,275	53,450,352	30,019,077
Breweries .....	75	788	134	2,351,113		3,581,112		10,210,482	38,212,192	28,001,710
Coffee, tea and spices .....	63	571	166	1,494,282		991,824		13,066,931	19,014,351	5,947,420
Distilleries .....	21	279	48	868,279		888,965		3,321,569	11,349,269	8,027,700
Flour and feed mills .....	1,290	1,669	181	2,184,813		3,391,582		63,177,656	84,748,800	21,571,144
Foods, breakfast .....	12	68	36	184,064		415,157		1,949,651	6,918,470	4,968,819
Foods, stock and poultry .....	37	129	41	270,431		214,506		1,988,150	3,138,228	1,550,078
Foods, miscellaneous .....	65	182	69	435,790		531,545		4,157,293	8,011,331	3,854,038
Fruit and vegetable preparations .....	258	588	181	1,299,666		2,757,080		15,600,602	30,034,537	14,433,935
Ice cream cones .....	11	9	5	17,259		36,339		66,246	229,628	163,382
Linseed oil and oil cake .....	9	38	5	101,222		178,835		2,162,862	2,852,881	690,019
Macaroni, vermicelli, etc. .	14	28	15	77,399		122,576		560,734	1,053,589	492,855
Malt and malt products .....	11	64	9	159,448		291,718		2,584,244	4,798,735	2,214,491
Rice mills .....	5	19	2	61,522		55,062		934,528	1,271,580	337,052
Rubber goods, including footwear .....	47	1,239	378	2,782,789		6,558,122		11,906,696	40,746,910	28,840,214
Starch and glucose .....	6	75	35	251,384		411,566		1,588,114	3,475,424	1,887,310
Sugar refineries .....	8	247	77	941,509		2,206,244		25,716,922	41,022,589	15,305,667
Tobacco, cigars and cigarettes .....	116	1,349	362	3,411,202		3,715,868		18,787,261	37,361,781	18,574,520
Tobacco processing and packing	18	83	8	171,587		744,686		6,752,694	8,700,445	1,947,751
Wine .....	55	113	25	293,302		262,101		1,576,884	2,959,066	1,382,162
2. - Animal Products .....	4,413	8,047	1,876	13,930,835		32,048,958		167,170,394	262,793,629	95,623,235
Animal oils and fats .....	4	2	-	2,195		12,178		14,516	53,262	38,746
Belting leather .....	12	42	12	95,704		67,238		173,728	389,784	216,056
Boot and shoe findings, leather .....	15	35	7	92,126		172,303		475,028	1,038,989	563,961





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1932. (Component Material Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested	Employees on Salaries				Employees on Wages			Cost of Materials	Value of Products	
			Male	Female	Salaries	No.	Male	Female	Wages		Gross	Net
	No.	¢	No.	No.	¢	No.	No.	No.	¢	¢	¢	¢
2. - Animal Products - (Concl'd.)												
Boots and shoes .....	191	22,024,801	1,031	412	2,408,397	7,599	4,686	8,748,459	15,753,021	32,242,416	16,489,395	
Butter and cheese .....	2,708	50,924,744	3,358	688	4,169,301	7,600	262	7,050,065	51,768,536	78,712,905	26,944,369	
Condensed milk .....	26	6,469,831	154	54	382,181	500	37	586,767	3,890,974	7,392,897	3,501,923	
Fish curing and packing .....	629	17,043,212	434	52	602,760	2,657	985	1,741,404	10,263,631	16,684,125	6,420,494	
Fur dressing and dyeing .....	13	1,029,090	73	8	185,043	522	97	515,161	329,087	1,384,511	1,055,424	
Fur goods .....	269	9,790,267	425	146	926,914	1,077	868	1,844,290	6,388,374	10,791,838	4,403,464	
Gloves and mittens, leather.	42	2,045,670	103	38	202,840	500	690	652,487	1,082,901	2,145,547	1,062,646	
Hair goods, human .....	3	21,811	-	-	-	1	4	3,110	7,098	12,056	4,958	
Harness and saddlery .....	157	3,151,405	216	36	233,696	402	87	380,455	899,385	1,726,516	827,131	
Leather goods, n.e.s. ....	44	1,065,402	85	34	177,438	267	330	439,020	937,753	1,866,094	928,341	
Leather tanneries .....	82	21,609,503	246	57	737,081	2,705	88	2,443,582	7,986,742	14,188,118	6,201,376	
Sausage and sausage casings.	62	846,099	62	16	100,125	267	41	255,035	1,261,962	1,958,637	696,675	
Slaughtering and meat packing	141	53,227,929	1,721	298	3,455,398	6,299	783	6,893,917	65,575,957	91,246,523	25,670,566	
Trunks and bags .....	13	1,439,214	53	16	141,636	289	45	237,656	343,496	918,281	574,785	
All other industries .....	2	83,619	7	2	18,000	8	-	5,831	18,205	41,130	22,925	
3. - Textiles and Textile												
Products .....	2,002	321,593,062	7,130	3,427	18,955,951	38,623	52,936	63,861,993	129,468,738	274,411,736	144,942,998	
Awnings, tents and sails ...	56	1,647,914	110	29	192,011	167	118	226,752	562,538	1,174,966	612,428	
Bags, cotton and jute .....	23	4,992,545	100	32	303,923	279	474	547,335	5,105,244	6,981,188	1,875,944	
Batting and wadding .....	6	1,297,062	12	4	55,846	83	20	93,642	279,338	590,933	311,595	
Carpets, mats and rugs .....	22	6,692,909	137	38	319,777	513	258	538,487	774,857	2,109,326	1,334,469	
Clothing, factory, men's ...	163	16,434,048	832	339	1,914,531	3,474	3,453	5,355,463	15,262,351	27,289,591	12,027,240	
Clothing, factory, women's .	461	18,147,033	1,203	699	3,291,876	3,422	8,952	8,826,003	23,983,585	42,564,589	18,581,004	
Clothing contractors, men's and women's .....	95	377,053	92	15	102,352	451	843	608,512	62,763	1,012,312	949,549	
Cordage, rope and twine ....	12	10,184,932	85	29	294,837	611	273	809,813	2,680,830	5,017,931	2,337,101	
Corsets .....	19	3,961,935	144	174	513,397	133	1,066	688,831	1,812,233	4,267,671	2,455,438	
Cotton and wool waste .....	13	709,452	22	13	66,306	105	68	103,688	618,521	1,038,824	420,303	
Cotton textiles, n.e.s. ....	36	1,898,602	69	21	154,114	229	432	406,565	1,022,608	1,979,361	956,753	
Cotton thread .....	5	3,375,702	64	24	182,899	170	390	413,138	1,110,383	3,180,524	2,076,141	
Cotton yarn and cloth .....	35	72,504,504	407	123	1,137,133	8,646	5,916	10,547,846	19,158,046	38,555,370	19,397,324	
Dyeing and finishing of textiles .....	19	4,688,350	87	27	252,802	554	94	551,298	619,662	2,537,348	1,917,606	



Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1932. - (Component Material Classification). - (Cont'd.)

	No.	Capital Invested	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products			
			Male	Female	Salaries	Male		Female	Wages	Gross	Net
			No.	No.	\$	No.		No.	\$	\$	\$
3. - Textiles and Textile Products - (Concl'd.)											
Dyeing, cleaning and laundry work .....	409	24,893,114	875	509	1,990,006	3,732	6,054	7,030,435	15,715,193		
Flax, dressed .....	4	39,193	-	-	-	23	-	8,850	8,596		
Furnishing goods, men's ...	153	13,880,827	527	255	1,456,182	896	5,887	3,513,433	7,953,709		
Gloves and mittens, fabric.	8	554,933	10	5	22,635	43	115	90,548	184,234		
Hats and caps .....	130	5,891,615	313	135	759,633	1,178	1,469	2,190,455	4,941,556		
Hosiery and knitted goods .	169	52,604,950	875	550	2,759,554	5,343	10,887	10,715,420	23,903,118		
Linen goods and other flax products .....	3	399,805	8	2	21,213	20	39	35,342	117,262		
Miscellaneous textiles, n.e.s.	13	11,904,812	238	40	669,864	900	143	837,794	3,364,838		
Oiled and waterproof cloth- ing .....	16	643,547	32	11	65,412	87	114	132,050	305,002		
Silk and artificial silk ..	24	28,021,412	417	201	1,128,023	3,581	2,837	4,628,842	12,006,739		
Woollen cloth .....	55	21,105,744	311	102	837,687	2,595	1,982	3,328,044	6,815,996		
Woollen goods, n.e.s. ....	24	7,034,820	82	22	270,054	605	186	617,122	2,192,197		
Woollen yarn .....	29	7,706,249	78	28	193,884	783	866	1,016,285	2,181,583		
4. - Wood and Paper Products .	7,844	954,639,232	18,861	4,576	38,172,143	75,695	8,702	74,200,059	227,251,810		
Beekeepers' and poultrymen's supplies .....	7	194,450	9	2	14,694	30	-	29,413	118,070		
Blue printing .....	18	173,755	18	6	38,206	42	3	31,161	131,935		
Boat building .....	111	2,098,422	145	10	146,844	268	1	204,679	535,735		
Boxes and bags, paper .....	126	20,110,391	583	207	1,621,057	1,889	1,975	2,790,991	8,238,835		
Boxes, wooden .....	129	9,099,408	316	41	553,754	2,267	248	1,465,717	3,162,670		
Carriages, wagons and sleighs	232	3,068,486	279	12	239,744	327	1	285,116	789,435		
Carriage and wagon materials	4	317,508	7	2	21,033	59	-	48,791	135,929		
Clothes pins .....	3	283,353	5	2	15,407	161	48	85,125	165,469		
Coffins and caskets .....	37	3,909,852	127	31	266,039	519	100	555,724	1,557,843		
Cooperage .....	73	1,834,354	89	7	137,573	368	-	281,941	712,232		
Engraving, stereotyping and electrotyping .....	77	8,888,031	361	136	1,108,038	1,309	372	2,322,575	4,988,341		
Excelsior .....	10	288,734	15	5	19,602	49	11	35,027	102,620		





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1932. (Component Material Classification). - (Cont'd.)

Name of Industry	Capital Invested	Employees on Salaries				Employees on Wages				Cost of Materials	Value of Products	
		Male		Female		Male		Female			Gross	Net
		No.	No.	No.	No.	No.	No.					
4. - Wood and Paper Products - (Concl'd.)												
Flooring, hardwood .....	23	5,240,932	121	29	259,608	938	635,143	9	1,615,589	2,890,522	1,274,933	
Furniture .....	380	30,910,489	1,039	270	2,127,619	6,744	4,754,468	295	5,921,666	17,998,842	12,077,176	
Lasts, trees and other shoe findings .....	11	1,218,736	42	16	95,744	305	344,774	167	300,953	1,198,424	897,471	
Lithographing .....	41	12,076,978	323	169	1,235,645	1,496	2,180,613	479	3,138,041	8,585,289	5,447,248	
Miscellaneous paper products	91	12,385,129	351	162	1,035,406	1,003	1,323,289	556	5,600,164	11,071,662	5,471,498	
Miscellaneous wooden products .....	163	5,152,082	225	39	272,807	731	581,919	77	1,025,484	2,568,808	1,543,324	
Planing mills, sash and door factories .....	659	37,434,946	1,238	186	1,862,143	4,834	3,652,814	32	8,073,672	15,500,259	7,426,587	
Printing and bookbinding ..	1,055	39,451,964	2,433	698	5,284,914	6,348	8,589,102	2,200	10,967,767	31,270,486	20,302,719	
Printing and publishing ..	762	61,156,728	5,396	1,803	11,522,619	7,485	11,883,987	1,227	11,193,930	54,812,748	43,618,818	
Pulp and paper .....	98	597,550,013	2,635	477	7,240,125	20,821	21,108,003	628	48,970,967	135,648,729	86,677,762	
Roofing paper, wall board, etc. ....	11	5,244,999	147	27	398,218	298	269,619	-	1,398,969	3,677,994	2,279,025	
Sawmills .....	3,593	80,796,425	2,630	150	1,775,428	15,466	8,985,662	39	23,405,576	38,506,647	15,101,071	
Sporting goods .....	30	1,649,186	55	22	89,254	313	312,966	98	524,759	1,272,549	747,790	
Trade composition .....	31	915,842	55	13	141,223	203	256,695	9	52,639	609,539	556,900	
Woodenware .....	17	954,957	45	9	82,012	341	230,817	27	241,740	696,266	454,526	
Wood turning .....	34	1,422,887	56	12	81,852	369	256,923	29	371,392	901,173	529,781	
All other industries .....	18	10,810,195	116	33	485,535	712	697,005	71	4,841,455	7,047,522	2,206,067	
5. - Iron and Its Products ..	1,233	608,619,518	10,037	2,503	24,646,237	59,426	57,693,200	2,248	102,289,749	225,832,185	123,542,436	
Agricultural implements ..	47	73,576,979	542	149	1,322,367	2,034	1,775,608	33	1,907,768	5,510,078	3,602,310	
Automobiles .....	25	49,641,777	1,302	464	3,949,998	6,903	7,485,743	141	28,278,809	43,801,389	15,522,580	
Automobile supplies .....	76	17,332,257	431	161	1,091,700	2,913	2,782,918	327	5,970,954	12,161,456	6,190,502	
Bicycles .....	3	2,227,071	6	4	19,573	201	215,892	15	139,755	762,348	622,593	
Boilers, tanks and engines	41	10,231,811	251	40	581,307	1,097	1,055,646	3	1,527,402	4,465,089	2,937,687	
Bridge and structural steel work .....	18	24,872,219	532	72	1,667,514	1,589	1,967,699	-	4,109,142	7,385,013	3,275,871	
Castings and forgings .....	322	79,225,330	1,431	382	3,431,165	10,484	8,390,078	155	9,825,439	29,285,144	19,459,705	
Hardware and tools .....	136	26,180,715	512	187	1,305,470	3,132	2,805,499	604	2,662,104	10,158,383	7,496,279	





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1932. (Component Material Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products	
			Salaries		Wages			Gross	Net
			Male	Female	Male	Female			
No.	No.	No.	No.	No.	No.	No.	\$	\$	\$
5. - Iron and Its Products - (Concl'd.)									
Iron and steel products, n.e.s. ....	68	5,700,394	237	54	871	10	1,322,985	3,076,860	1,753,875
Machinery .....	179	57,753,031	1,470	422	5,205	94	7,731,233	22,270,195	14,538,962
Primary iron and steel .....	52	96,323,629	536	97	4,202	12	6,289,483	16,197,526	9,908,043
Railway rolling stock .....	38	87,289,160	1,429	74	14,081	28	14,101,765	32,465,192	18,363,427
Sheet metal products .....	157	51,671,470	1,010	291	4,459	612	14,831,672	27,886,299	13,054,627
Wire and wire goods .....	71	26,593,675	348	106	2,255	214	3,591,238	10,407,213	6,815,975
6. - Non-Ferrous Metal Products	452	272,045,441	4,860	1,485	17,225	3,134	67,934,940	152,111,317	84,176,377
Aluminum products .....	14	3,906,196	122	44	430	65	1,375,902	2,703,212	1,327,310
Brass and copper products .	119	23,148,843	720	149	2,498	168	3,949,157	9,594,115	5,644,958
Electrical apparatus and supplies .....	169	82,458,754	2,907	1,025	8,006	2,367	20,414,844	53,264,918	32,850,074
Jewelry and silverware .....	93	7,460,760	296	155	1,305	413	2,432,728	6,118,871	3,686,143
Lead, tin and zinc .....	24	4,434,722	82	35	319	96	1,935,507	3,498,049	1,562,542
Miscellaneous non-ferrous metal products .....	20	927,306	58	13	63	25	106,855	490,076	383,221
Non-ferrous metal smelting and refining .....	13	149,708,860	675	64	4,604	-	37,719,947	76,442,076	38,722,129
7. - Non-Metallic Mineral Products .....	1,182	312,569,679	3,146	688	16,029	479	74,358,159	147,765,618	73,407,459
Abrasive products .....	14	5,865,031	106	30	249	1	449,624	1,489,555	1,039,931
Aerated and mineral waters.	398	12,640,708	512	101	1,624	65	2,760,548	11,067,886	8,307,338
Asbestos products .....	13	2,682,882	52	14	197	16	559,673	1,067,801	508,128
Cement .....	12	55,294,814	96	7	1,113	-	-	6,930,721	6,930,721
Cement products .....	118	4,461,574	154	16	532	8	697,483	1,771,297	1,073,814
Clay products from domestic clay .....	164	25,347,582	265	39	1,136	-	-	3,650,218	3,650,218
Clay products from imported clay .....	16	4,207,767	74	15	541	85	406,441	1,590,411	1,183,970
Coke and gas products .....	42	93,534,495	692	238	2,703	6	12,241,698	29,812,650	17,570,952
Glass products .....	63	14,281,044	241	74	2,066	227	3,155,579	8,469,895	5,314,316



Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1932. (Component Material Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested	Employees on Salaries				Employees on Wages				Cost of Materials	Value of Products	
			Male	Female	Salaries	No.	Male	Female	Wages	No.		Gross	Net
7. - Non-Metallic Mineral Products - (Concl'd.)	No.	\$	No.	No.	\$	No.	No.	No.	\$	No.	\$	\$	\$
Lime .....	60	6,823,949	63	7	106,150	607	-	-	468,922	-	-	2,394,537	2,394,537
Miscellaneous non-metallic mineral products .....	31	7,561,645	95	25	225,549	390	21	21	305,895	872,048	-	2,759,709	1,887,661
Petroleum products .....	31	69,475,860	485	69	1,315,815	3,555	7	7	4,664,866	52,237,387	-	71,697,757	19,460,370
Salt .....	8	3,805,008	46	16	133,449	246	37	37	321,600	-	-	1,947,551	1,947,551
Sand-lime brick .....	6	759,211	10	1	23,000	64	-	-	51,521	49,106	-	153,716	104,610
Stone, monumental and ornamental .....	206	5,828,109	255	36	423,291	706	6	6	776,923	928,572	-	2,961,914	2,033,342
8. - Chemicals and Chemical Products .....	662	160,929,954	3,763	1,384	10,232,416	7,656	2,492	2,492	9,775,692	35,276,531	-	95,279,376	60,002,845
Acids, alkalis and salts .....	14	44,067,194	312	33	746,726	1,329	5	5	1,464,741	2,283,076	-	11,357,649	9,074,573
Adhesives .....	14	2,501,171	34	10	103,752	175	10	10	59,390	457,146	-	1,087,215	630,069
Coal tar distillation .....	10	5,168,775	30	5	87,628	146	-	-	159,505	1,382,425	-	2,114,650	732,225
Explosives, ammunition and fire-works .....	6	7,016,875	139	8	379,112	786	235	235	883,620	2,332,215	-	7,184,574	4,852,359
Fertilizers .....	19	17,083,478	164	23	316,143	561	-	-	781,669	2,616,333	-	4,006,187	1,389,854
Flavouring extracts .....	23	1,160,003	78	16	171,640	70	81	81	121,496	735,684	-	1,282,175	546,491
Gases, compressed .....	31	4,326,599	154	58	377,568	204	6	6	240,333	330,795	-	2,504,550	2,123,755
Inks, printing and writing .....	24	2,495,373	112	35	388,826	203	18	18	282,799	737,023	-	2,153,632	1,116,609
Medicinal and pharmaceutical preparations .....	151	18,379,601	743	419	2,278,556	820	977	977	1,555,220	5,595,117	-	17,533,979	11,918,962
Miscellaneous chemical products	92	11,853,473	343	164	872,731	738	353	353	893,729	3,104,208	-	7,996,818	4,892,610
Paints, pigments and varnishes.	71	23,978,252	874	257	2,324,865	1,364	163	163	1,533,748	6,295,860	-	14,912,383	8,616,523
Polishes and dressings .....	44	2,032,642	88	36	242,420	105	56	56	158,427	681,274	-	1,812,603	1,131,329
Soaps and washing compounds	65	13,801,620	515	149	1,326,149	902	211	211	1,100,041	6,478,638	-	14,739,158	8,260,520
Toilet preparations .....	71	5,492,507	167	171	589,341	160	377	377	368,892	1,876,280	-	5,946,409	4,070,199
Wood distillation .....	5	1,572,391	10	-	26,957	88	-	-	71,862	320,457	-	607,394	286,937
9. - Miscellaneous Industries	479	65,600,126	1,806	540	4,238,224	7,106	1,703	1,703	7,584,917	11,984,894	-	33,242,610	21,257,716
Aircraft .....	7	1,571,450	44	9	94,171	73	10	10	88,189	128,304	-	442,373	314,069
Artificial flowers and feathers	8	207,131	14	15	26,143	7	63	63	21,497	40,204	-	117,671	77,467
Automobile accessories, fabric.	9	300,338	10	6	22,272	43	21	21	45,969	74,813	-	185,672	110,359





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1932. (Component Material Classification). - (Concl'd.)

Name of Industry	Estab-lish-ments	Capital Invested	Employees on Salaries			Employees on Wages		Cost of Materials	Value of Products	
			Male	Female	Salaries	Male	Female		Gross	Net
	No.	\$	No.	No.	\$	No.	No.	\$	\$	\$
9. - Miscellaneous Industries (Concl'd.)										
Brooms, brushes and mops .....	82	3,831,288	219	74	377,716	827	219	1,254,648	2,950,076	1,695,428
Buttons .....	14	1,218,881	47	11	107,995	217	183	281,329	991,754	710,425
Candles .....	12	651,098	24	7	62,272	44	21	187,710	395,697	207,987
Fountain pens and pencils .....	10	1,963,019	81	33	194,612	158	166	695,829	1,478,576	782,747
Ice, artificial .....	43	4,855,968	76	16	151,508	280	5	79,432	1,619,095	1,539,663
Jewel cases and silverware cabinets .....	4	160,367	8	10	26,817	26	29	48,437	136,146	87,709
Mattresses and springs .....	63	5,605,147	221	64	605,415	1,025	201	2,326,437	4,585,215	2,258,778
Motion pictures .....	9	990,557	127	37	260,154	7	-	413,409	1,256,493	843,084
Musical instruments .....	20	5,107,534	154	39	374,573	699	188	1,141,198	2,561,125	1,419,927
Novelties, advertising and other Refrigerators, other than electric and gas .....	14	264,040	20	10	44,265	39	82	162,678	369,710	207,032
Regalia and society emblems .....	8	1,064,869	23	8	48,570	147	2	205,808	460,443	254,635
Scientific and professional equipment .....	11	214,491	11	7	25,975	14	25	32,020	110,130	78,110
Shipbuilding and repairs .....	26	5,876,340	140	82	429,385	397	203	1,823,617	5,371,239	3,547,622
Signs, electric .....	37	26,280,218	336	38	788,683	2,337	4	1,983,772	6,422,588	4,438,816
Stamps and stencils, rubber and metal .....	13	2,707,163	64	10	167,846	229	9	175,634	1,105,153	929,519
Statuary, art goods and church supplies .....	31	608,978	61	18	115,789	158	6	62,654	451,646	388,992
Store display accessories .....	30	595,114	41	20	86,056	148	146	303,945	779,548	475,603
Toys .....	3	180,844	11	3	16,290	34	3	13,331	63,303	49,972
Typewriter supplies .....	12	263,306	33	5	62,371	107	61	186,490	515,697	329,207
Umbrellas .....	5	752,478	28	14	119,097	51	23	220,095	598,473	378,378
All other industries .....	5	200,844	9	3	21,572	20	29	114,869	203,634	88,765
	3	128,663	4	1	8,677	14	4	28,231	71,153	42,922
10. - Central Electric Stations ..	1,033	1,335,886,987	5,225	1,411	11,349,809	8,759	-	-	128,420,233	128,420,233





C A N A D A  
DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
CENSUS OF INDUSTRY

---

ADVANCE REPORT  
on the  
MANUFACTURING INDUSTRIES  
of  
CANADA  
1933

----- + + + -----

Published by Authority of the Hon. R.B. HANSON, K.C., M.P.,  
Minister of Trade and Commerce.

+ + +

OTTAWA

1935



DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
GENERAL MANUFACTURES DIVISION  
OTTAWA - CANADA

Dominion Statistician.

Acting Chief, General Manufactures Division:

R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.).

A. Cohen, B.Com.

ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1933.

The downward trend in manufacturing activity begun in the fall of 1929 continued with increasing force to about the middle of 1933. The first pronounced increase was reported for the month of June and thereafter each succeeding month recorded a slight gain over that of the preceding month. The gains in the latter part of the year were not, however, sufficiently pronounced to overcome the losses of the beginning of the year. As a result of this the output of manufactured products in 1933 was valued at \$2,086,847,847, a decrease of \$39,546,708 or 1.9 per cent as compared with 1932 and a decrease of \$1,942,523,493 or 48.5 per cent as compared with 1929. The number of persons engaged in manufacturing dropped from 694,434 in 1929 to 493,903 in 1933, a decline of 200,531 or 28.9 per cent. The decline in salary and wage payments exceeded even that of the number of employees, the drop being \$347,487,752 or 42.7 per cent of the amount paid out in 1929. Average earnings per employee in 1933, which amounted to \$942, represents a decrease of 19.6 per cent from the average earnings of \$1,171 in 1929. The following table shows the percentage decrease each year since 1929 in employment, salaries and wages paid, value of production and value added by manufacture.

	PERCENTAGE DECREASE COMPARED				
	1930 with 1929	1931 with 1930	1932 with 1931	1933 with 1932	1933 with 1929
Employees .....	- 7.2	- 13.5	- 11.1	- .3	- 28.9
Salaries and wages paid	- 9.5	- 15.2	- 19.0	- 7.9	- 42.7
Gross value of products	- 14.9	- 21.3	- 21.2	- 1.9	- 48.2
Value added by manufacture .....	- 11.8	- 16.3	- 20.6	- 4.5	- 44.0

The large decrease in the number of employees in 1931 and 1932 is not, however, entirely due to the decline in manufacturing production. The decrease is in part due to the change in method of computing the average annual employment of wage-earners. Between 1925 and 1930 the average was obtained by summing the averages of individual plants, based on the number of months in actual operation, and not by dividing by twelve the sum of the monthly employment figures. For example, if a plant operated only during three months of the year with an employment of 100 persons the first month, 125 the second month and 75 the third month, its average annual employment was taken as 100 ( $300 \div 3$ ); the same as that of another plant which operated the whole year with an average employment of 100 persons per month. In 1931, however, a change was made to the old method whereby the aggregate of the monthly figures is divided by 12. This method gives the man year that each plant operates. The change in method, therefore, affects the average annual employment as well as the average wages paid in seasonal industries, such as fruit and vegetable canning, fish canning, sawmills, etc.

Provinces where seasonal industries predominate, therefore, show a proportionately greater decrease in the number of employees in 1931 and 1932 as compared with the decrease in the salaries and wages paid, while industries that operate throughout the entire year are not affected by this change.

Although for manufacturing in general in 1933 there were still slight decreases in employment, salaries and wages paid, gross value of products, etc., some groups, however, recorded increases in employment and gross value of production. The animal products group made the biggest gain in employment in 1933 with an increase of 6.3 per cent over the previous year, while the textiles and textile products group recorded an increase of 4 per cent. The vegetable products and chemicals and chemical products groups also reported slight increases in employment of 1.0 per cent and .7 per cent respectively. In the case of the other groups, employment dropped still lower, the decreases ranging from 7.1 per cent for the miscellaneous industries group to 2.2 per cent for wood and paper products. Although four groups reported increases in employment in 1933, yet only one of these reported an increase in the amount paid out in salaries and wages. This was the animal products group with an increased employment





ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1933.

of 6.3 per cent and increased payments of only 1 per cent.

In value of production, only three groups exceeded their output of 1932. Non-ferrous metal products with an increase of 8.3 per cent in the value of production made the biggest gain. Textiles and textile products were second with an improvement of 7.4 per cent and animal products were third with 3.1 per cent.

Not all provinces improved their position in 1933. British Columbia made the biggest advance in employment with an increase of 4.6 per cent. Saskatchewan was second with an increase of 1.4 per cent, Quebec third with 1.3 per cent and Nova Scotia fourth with .9 per cent. In the other provinces employment in 1933 was lower than the previous year. In Manitoba the decrease was 6.8 per cent, Alberta 2.1 per cent, Ontario 1.4 per cent, Prince Edward Island 7.1 per cent, and in New Brunswick employment was about the same. In gross value of production, only two provinces exceeded the output of the previous year, viz., Nova Scotia and British Columbia which reported increases of 5.1 per cent and 3.3 per cent respectively.

	PERCENTAGE INCREASE OR DECREASE IN		
	Number of Employees	Salaries and Wages Paid	Gross Value of Products
CANADA .....	- 0.3	- 7.9	- 1.9
Prince Edward Island .....	- 7.1	- 17.5	- 13.7
Nova Scotia .....	+ 0.9	- 4.5	+ 5.1
New Brunswick .....	-	- 7.0	- 5.6
Quebec .....	+ 1.3	- 6.7	- 2.3
Ontario .....	- 1.4	- 8.5	- 2.2
Manitoba .....	- 6.8	- 14.3	- 4.8
Saskatchewan .....	+ 1.4	- 8.2	-
Alberta .....	- 2.1	- 8.5	- 1.2
British Columbia and Yukon .....	+ 4.6	- 6.1	+ 3.3
ALL GROUPS .....	- .3	- 7.9	- 1.9
Vegetable products .....	+ 1.0	- 5.6	- 3.4
Animal products .....	+ 6.3	+ 1.0	+ 3.1
Textiles and textile products ..	+ 4.0	- 2.6	+ 7.4
Wood and paper products .....	- 2.2	- 8.7	- 7.4
Iron and its products .....	- 4.4	- 15.6	- 6.1
Non-ferrous metal products .....	- 5.4	- 14.2	+ 8.3
Non-metallic mineral products ..	- 5.1	- 11.4	- 4.0
Chemicals and chemical products.	+ .7	- 6.3	- 2.6
Miscellaneous industries .....	- 7.1	- 12.5	- 15.2
Central electric stations .....	- 4.4	- 7.9	- 8.5

Manufacturing establishments reporting in 1933 numbered 25,232. Of these, 9,844 were located in Ontario, 8,384 in Quebec, 1,697 in British Columbia and Yukon, 1,378 in Nova Scotia, 1,073 in Manitoba, 975 in Alberta, 818 in Saskatchewan, 800 in New Brunswick and 260 in Prince Edward Island. These plants represented a capital investment of \$4,689,373,704 in fixed and working capital; they furnished employment to 493,903 persons who were paid \$465,562,090 in salaries and wages. They also produced goods with a selling value at the factory of \$2,086,847,847 and spent \$969,188,574 for materials, leaving the value added by manufacture at \$1,117,659,273. It should be remembered that the value added by manufacture does not represent the manufacturers' profits. The value added by manufacture is obtained by subtracting the cost of materials from the value of products. The difference represents the value added to the raw materials by labour. It is this difference which the employer of labour uses to pay for the labour itself, the overhead expenses, profits, etc. Compared with the previous year, there was a decline of \$52,566,599 in the value added by manufacture.

The manufacturing industries of Canada are concentrated largely in the provinces of Ontario and Quebec, although the Western Provinces are beginning to assume increasing importance. Ontario is the dominant manufacturing province of Canada. In 1933 with only 39 per cent of the establishments reporting, it employed 44.5 per cent of the capital, 47.7 per cent of the number of employees and produced 48.2 per cent of the entire output.





ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1933.

As mentioned before, the number of persons engaged in the manufacturing industries of Canada in 1933 totalled 493,903. Of these, 94,494 were salaried employees who were paid \$151,860,323 in salaries, and 399,409 were wage-earners who received \$313,701,767 in wages. In 1933 the average salary was \$1,607 and the average wage was \$785. Compared with the previous year, there was a decrease of \$125 in the average salary and \$67 in the average wage. In addition to the payments of salaries and wages, the fish cannery paid \$736,183 to 4,116 inside piece-workers who do not form part of the regular working force, while \$127,897 was paid to outside piece-workers, all of whom were employed in the textile industries.

From statistics of the forty leading industries (table 5), it may be seen that the pulp and paper industry again exceeded all others in the gross value of production. Other leading industries in order of their importance were:

<u>Rank in 1933</u>	<u>Industry</u>	<u>Rank in 1932</u>
1.	Pulp and Paper.	1.
2.	Central electric stations.	2.
3.	Non-ferrous metal smelting.	6.
4.	Slaughtering and meat packing.	3.
5.	Flour and feed mills.	4.
6.	Butter and cheese.	5.
7.	Petroleum products.	7.
8.	Bread and other bakery products.	9.
9.	Cotton yarn and cloth.	16.
10.	Printing and publishing.	8.

In salaries and wages paid, which is probably a better index of the importance of an industry, the order of the leading industries is materially changed. Pulp and paper comes first in this category too. The leading industries were as follows: -

<u>Rank according to Salaries and Wages Paid</u>	<u>1933</u> <u>Industry</u>	<u>Rank according to Gross Value of Products</u>
1.	Pulp and paper.	1.
2.	Printing and publishing.	10.
3.	Central electric stations.	2.
4.	Bread and other bakery products.	8.
5.	Railway rolling stock.	24.
6.	Hosiery and knitted goods.	14.
7.	Butter and cheese.	5.
8.	Electrical apparatus and supplies.	17.
9.	Printing and bookbinding.	25.
10.	Clothing, factory, women's.	11.

Detailed statistics of the manufacturing industries of Canada are given in the following series of tables.

- Table 1. Summary Statistics of Manufactures, 1923-1933.
- Table 2. Principal Statistics Compared for 1932 and 1933.
- Table 3. Principal Statistics, by Provinces, 1932 and 1933.
- Table 4. Principal Statistics, by Groups, 1932 and 1933.
- Table 5. Principal Statistics of the Forty Leading Industries, 1932 and 1933.
- Table 6. Principal Statistics of the Industries Composing Each Group, 1933.



ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1933.

Table 1. - Summary Statistics of Manufactures, 1923-1933.

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1923 <sup>x</sup> .....	22,642	3,380,322,950	525,267	571,470,028	1,470,140,139	2,781,165,514
1924 <sup>x</sup> .....	22,178	3,538,813,460	508,503	559,884,045	1,438,409,681	2,695,053,582
1925 .....	22,331	3,808,309,981	544,225	596,015,171	1,587,665,408	2,948,545,315
1926 .....	22,708	3,981,569,590	581,539	653,850,933	1,728,624,192	3,221,269,231
1927 .....	22,936	4,337,631,558	618,933	693,932,228	1,758,789,334	3,394,713,270
1928 .....	23,379	4,780,296,049	658,023	755,199,372	1,919,438,703	3,738,484,728
1929 .....	23,597	5,083,014,754	694,434	813,049,842	2,032,020,975	4,029,371,340
1930 .....	24,020	5,203,316,760	644,439	736,092,766	1,666,983,902	3,428,970,628
1931 .....	24,501	4,961,312,408	557,426	624,545,561	1,223,880,011	2,698,461,862
1932 .....	24,544	4,741,255,610	495,398	505,883,323	955,968,683	2,126,194,555
1933 .....	25,232	4,689,373,704	493,903	465,562,090	969,188,574	2,086,847,847

<sup>x</sup> Statistics for 1923 and 1924 do not include the Non-ferrous Metal Smelting Industry.

Table 2. - Principal Statistics Compared for 1932 and 1933.

	1 9 3 3	1 9 3 2	+ Increase or - Decrease 1933 over 1932
Establishments reporting. No.	25,232	24,544	+ 688
Capital Invested ..... \$	4,689,373,704	4,741,255,610	- 51,881,906
Average capital per establishment ..... \$	185,850	193,174	- 7,324
Employees on salaries ... No.	94,494	95,070	- 576
Salaries ..... \$	151,860,323	164,695,605	- 12,835,282
Average salary ..... \$	1,607	1,732	- 125
Employees on wages ..... No.	399,409	400,328	- 919
Wages ..... \$	313,701,767	341,187,718	- 27,485,951
Average wage ..... \$	785	852	- 67
Outside piece-workers ... No.	855	762	+ 93
Payments to piece-workers \$	127,897	101,674	+ 26,223
Cost of materials ..... \$	969,188,574	955,968,683	+ 13,219,891
Average cost of materials per establishment ..... \$	38,411	38,949	- 538
Value of production ..... \$	2,086,847,847	2,126,194,555	- 39,346,708
Average value of products per establishment ..... \$	82,706	86,628	- 3,922
Value added by manufacture ..... \$	1,117,659,273	1,170,225,872	- 52,566,599
Average value added by manufacture per estab- lishment ..... \$	44,295	47,679	- 3,384





Table 3. - Principal Statistics Compared, by Provinces, 1932 and 1933.

Provinces	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
<u>1933</u>						
CANADA .....	25,232	4,689,373,704	493,903	465,562,090	969,188,574	2,086,847,847
Prince Edward Island .....	263	3,386,095	1,065	597,980	1,592,301	5,077,817
Nova Scotia .....	1,378	123,645,961	13,260	10,701,189	25,402,432	52,991,937
New Brunswick .....	800	122,130,573	11,994	9,877,690	20,471,624	44,826,347
Quebec .....	8,384	1,648,872,387	163,571	141,358,231	292,950,595	653,066,534
Ontario .....	9,844	2,087,072,413	235,810	234,391,900	465,106,584	1,005,233,502
Manitoba .....	1,073	179,720,120	20,749	20,699,449	44,697,266	91,408,441
Saskatchewan .....	818	64,950,579	5,614	5,871,180	19,164,919	36,199,608
Alberta .....	975	98,345,221	10,944	10,896,132	29,505,155	54,642,706
British Columbia and Yukon .....	1,697	361,250,355	30,896	31,168,339	70,297,698	145,490,955
<u>1932</u>						
CANADA .....	24,544	4,741,255,610	495,398	505,883,323	955,968,683	2,126,194,555
Prince Edward Island .....	274	3,867,195	1,147	725,237	1,949,038	3,566,968
Nova Scotia .....	1,404	125,639,707	13,142	11,199,861	22,920,430	50,351,054
New Brunswick .....	841	117,454,168	11,987	10,623,685	20,776,650	47,472,393
Quebec .....	7,851	1,632,955,979	161,439	151,481,138	292,203,152	668,417,093
Ontario .....	9,844	2,144,008,857	239,231	256,207,232	459,910,999	1,028,397,654
Manitoba .....	970	190,545,652	22,255	24,157,589	45,591,099	96,056,029
Saskatchewan .....	774	63,294,823	5,535	6,392,062	18,214,555	36,101,516
Alberta .....	943	100,609,788	11,174	11,886,114	28,442,192	55,293,832
British Columbia and Yukon .....	1,643	362,879,441	29,488	33,210,405	65,960,568	140,538,016





Table 4. - Principal Statistics Compared by Groups of Industries, 1932 and 1933.

	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1 9 3 3						
Vegetable products .....	5,542	509,533,005	73,095	66,137,487	224,243,088	421,849,872
Animal products .....	4,496	201,993,642	53,111	46,453,188	179,429,948	271,068,210
Textiles and textile products .....	2,151	322,312,247	106,235	80,695,813	144,584,507	294,715,248
Food and paper products .....	7,917	893,309,680	105,471	102,500,377	134,979,700	342,155,077
Iron and its products .....	1,291	580,760,379	70,947	69,482,730	97,705,853	211,961,908
Non-ferrous metal products .....	478	266,266,443	25,273	28,099,026	71,990,608	164,765,604
Non-metallic mineral products .....	1,144	307,996,274	19,296	21,680,263	71,713,936	141,791,451
Chemicals and chemical products .....	696	153,900,930	15,397	18,738,629	34,271,854	92,820,761
Miscellaneous industries .....	476	66,769,049	10,361	10,342,700	10,269,030	28,187,635
Central electric stations .....	1,041	1,386,532,055	14,717	21,431,877	-	117,532,081
T O T A L .....	25,232	4,689,373,704	493,903	465,562,090	969,188,574	2,086,847,847
1 9 3 2						
Vegetable products .....	5,244	516,356,149	72,390	70,047,452	225,135,488	436,736,251
Animal products .....	4,413	193,015,462	49,953	45,979,793	167,170,394	262,793,629
Textiles and textile products .....	2,002	321,593,062	102,116	82,817,944	129,468,738	274,411,736
Wood and paper products .....	7,844	954,639,232	107,834	112,372,202	142,349,790	369,601,600
Iron and its products .....	1,233	608,619,518	74,214	82,339,437	102,289,749	225,832,185
Non-ferrous metal products .....	452	272,045,441	26,704	32,755,103	67,934,940	152,111,317
Non-metallic mineral products .....	1,182	312,569,679	20,342	24,479,677	74,358,159	147,765,618
Chemicals and chemical products .....	662	160,929,954	15,295	20,008,108	35,276,531	95,279,376
Miscellaneous industries .....	479	65,600,126	11,155	11,822,441	11,984,894	33,242,610
Central electric stations .....	1,033	1,335,886,987	15,395	23,261,166	-	128,420,233
T O T A L .....	24,544	4,741,255,610	495,398	505,883,323	955,968,683	2,126,194,555



Table 5(a). - Principal Statistics of the Forty Leading Industries of Canada, 1933.

	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1. Pulp and paper .....	95	559,265,544	24,037	26,591,049	47,632,521	123,415,492
2. Central electric stations .....	1,041	1,386,532,055	14,717	21,431,877	-	117,532,081
3. Non-ferrous metal smelting .....	15	146,085,284	6,360	8,403,181	43,242,563	100,561,297
4. Slaughtering and meat packing .....	135	54,590,398	9,289	10,103,744	70,467,544	92,366,137
5. Flour and feed mills .....	1,328	59,054,505	5,470	5,108,137	63,297,848	83,322,099
6. Butter and cheese .....	2,693	57,849,628	13,145	12,541,035	54,482,522	80,395,887
7. Petroleum products .....	47	68,193,854	4,628	6,141,945	49,187,757	70,268,265
8. Bread and other bakery products .....	3,073	45,091,801	17,477	14,900,212	23,427,623	51,244,162
9. Cotton yarn and cloth .....	37	75,422,396	16,095	11,749,286	26,456,914	51,179,628
10. Printing and publishing .....	768	58,234,531	15,964	21,479,504	9,791,679	50,811,968
11. Clothing, factory, women's .....	540	18,132,022	15,264	11,828,978	25,885,073	44,535,823
12. Automobiles .....	22	40,000,559	8,134	8,557,331	28,730,750	42,885,643
13. Rubber goods, including footwear .....	45	65,314,472	9,758	8,910,124	12,914,680	41,511,556
14. Hosiery and knitted goods .....	170	49,485,772	17,159	12,610,093	19,473,785	40,997,210
15. Sawmills .....	3,517	74,304,090	17,779	10,040,165	22,870,710	39,438,057
16. Sugar refineries .....	8	35,758,074	2,092	3,048,817	22,846,473	37,189,960
17. Electrical apparatus and supplies .....	174	80,844,131	11,767	12,428,430	14,504,269	37,012,509
18. Tobacco, cigars and cigarettes .....	127	50,218,586	8,241	6,752,159	17,974,715	36,784,662
19. Biscuits, confectionery, cocoa, etc. ....	236	41,410,901	9,891	8,114,234	15,725,547	35,176,094
20. Boots and shoes .....	205	22,963,783	14,526	10,509,461	16,347,068	32,291,092
21. Breweries .....	74	57,337,361	4,156	5,309,527	9,398,599	30,940,895
22. Fruit and vegetable preparations .....	273	37,286,824	6,530	3,842,575	16,461,755	29,981,400
23. Coke and gas products .....	42	94,225,476	3,526	4,606,308	12,729,075	29,936,975
24. Railway rolling stock .....	37	86,509,047	16,172	14,584,021	13,574,592	29,672,265
25. Printing and bookbinding .....	1,122	38,860,669	11,271	12,277,207	9,694,048	28,210,076
26. Clothing, factory, men's .....	163	14,954,100	7,969	6,547,993	15,643,813	26,622,689
27. Sheet metal products .....	172	53,851,889	6,000	6,033,783	13,828,178	25,963,828
28. Castings and forgings .....	327	72,810,073	11,111	9,816,895	8,053,094	24,197,347
29. Silk and artificial silk .....	29	30,192,870	7,801	6,138,532	7,795,542	22,754,969
30. Coffee, tea and spices .....	67	14,004,437	1,885	2,376,270	14,041,869	19,919,644
31. Furnishing goods, men's .....	163	14,280,349	8,189	4,884,635	10,784,990	19,082,571
32. Machinery .....	189	53,167,815	6,317	6,575,848	6,787,924	18,912,926
33. Primary iron and steel .....	50	96,444,846	5,200	6,049,189	7,598,931	18,492,549
34. Boxes and bags, paper .....	132	20,111,982	4,914	4,558,177	9,568,160	17,800,330
35. Fish curing and packing .....	620	15,532,775	4,064	2,287,385	10,960,289	17,380,323





Table 5(a). - Principal Statistics of the Forty Leading Industries of Canada, 1933. - (Concl'd.)

	Establishments No.	Capital Invested \$	Employees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
36. Medicinal and pharmaceutical preparations	158	17,402,705	3,169	3,850,928	5,774,391	17,063,849
37. Leather tanneries	88	22,307,727	3,322	3,247,296	9,753,096	16,475,383
38. Woollen cloth	62	22,231,585	5,542	4,471,491	8,500,500	15,893,114
39. Dyeing, cleaning and laundry work	411	23,581,811	10,528	7,882,389	1,399,646	15,239,981
40. Furniture	383	27,089,361	7,722	5,656,006	5,267,902	15,016,942
TOTAL, FORTY LEADING INDUSTRIES	18,838	3,800,936,088	377,181	352,246,217	782,876,435	1,648,477,678
TOTAL, ALL INDUSTRIES	25,232	4,689,373,704	493,903	465,562,090	969,188,574	2,086,847,847
PERCENTAGE OF FORTY LEADING INDUSTRIES TO ALL INDUSTRIES	74.7	81.1	76.4	75.7	80.8	79.0

Table 5(b). - Principal Statistics of the Forty Leading Industries of Canada, 1932.

	Establishments No.	Capital \$	Employees No.	Salaries and Wages \$	Cost of Materials \$	Gross Value of Products \$
1. Pulp and paper	98	597,550,013	24,561	28,348,128	48,970,967	135,648,729
2. Central electric stations	1,033	1,335,886,987	15,395	23,261,166	-	128,420,233
3. Slaughtering and meat packing	141	53,227,929	9,101	10,349,315	65,575,957	91,246,523
4. Flour and feed mills	1,290	58,283,212	5,586	5,576,395	63,177,656	84,748,800
5. Butter and cheese	2,708	50,924,744	11,908	11,219,366	51,768,536	78,712,905
6. Non-ferrous metal smelting	13	149,708,860	5,343	8,778,970	37,719,947	76,442,076
7. Petroleum products	31	69,475,860	4,116	5,980,681	52,237,387	71,697,757
8. Printing and publishing	762	61,156,728	15,911	23,406,606	11,193,930	54,812,748
9. Bread and other bakery products	2,861	48,961,175	16,856	15,909,805	23,431,275	53,450,352
10. Electrical apparatus and supplies	169	82,458,754	14,305	16,262,368	20,414,844	53,264,918
11. Automobiles	25	49,641,777	8,810	11,435,741	28,278,809	43,801,389
12. Hosiery and knitted goods	169	52,604,950	17,655	13,474,974	19,349,634	43,252,752
13. Clothing, factory, women's	461	18,147,033	14,276	12,117,879	23,983,585	42,564,584





Table 5(b). - Principal Statistics of the Forty Leading Industries of Canada, 1932. - (Concl'd.)

	Establishments	Capital Invested	Employees	Salaries and Wages	Cost of Materials	Gross Value of Products
	No.	\$	No.	\$	\$	\$
14. Sugar refineries .....	8	37,654,457	2,140	3,147,753	25,716,922	41,022,589
15. Rubber goods, including footwear .....	47	65,794,903	10,325	9,340,911	11,906,696	40,746,910
16. Cotton yarn and cloth .....	35	72,504,504	15,092	11,684,979	19,158,046	38,555,370
17. Sawmills .....	3,593	80,796,425	18,285	10,761,090	23,405,576	38,506,647
18. Breweries .....	75	57,398,055	4,353	5,932,225	10,210,482	38,212,192
19. Biscuits, confectionery, chocolate, etc. ....	262	45,402,886	10,526	9,425,498	15,594,694	37,386,093
20. Tobacco, cigars and cigarettes .....	116	42,351,650	8,236	7,127,070	18,787,261	37,361,781
21. Railway rolling stock .....	38	87,289,160	15,612	17,460,142	14,101,765	32,465,192
22. Boots and shoes .....	191	22,024,801	13,728	11,156,856	15,753,021	32,242,416
23. Printing and bookbinding .....	1,055	39,451,964	11,679	13,874,016	10,967,767	31,270,486
24. Fruit and vegetable preparations .....	258	40,586,892	5,954	4,056,746	15,600,602	30,034,537
25. Coke and gas products .....	42	93,534,495	3,639	4,897,746	12,241,698	29,812,650
26. Castings and forgings .....	322	79,225,330	12,452	11,821,243	9,825,439	29,285,144
27. Sheet metal products .....	157	51,671,470	6,372	6,756,826	14,831,672	27,886,299
28. Clothing, factory, men's .....	163	16,434,048	8,098	7,269,994	15,262,351	27,289,591
29. Machinery .....	179	57,753,031	7,191	7,894,912	7,731,233	22,270,195
30. Silk and artificial silk .....	24	28,021,412	7,036	5,756,865	7,858,104	19,864,843
31. Coffee, tea and spices .....	63	14,191,519	1,859	2,486,106	13,066,931	19,014,351
32. Furniture .....	380	30,910,489	8,348	6,882,087	5,921,666	17,998,842
33. Furnishing goods, men's .....	153	13,880,827	7,565	4,969,615	9,653,947	17,607,656
34. Medicinal and pharmaceutical preparations ....	151	18,379,601	2,959	3,833,778	5,595,117	17,573,979
35. Dyeing, cleaning and laundry work .....	409	24,893,114	11,170	9,020,441	1,587,586	17,302,779
36. Boxes and bags, paper .....	126	20,110,391	4,654	4,412,048	8,787,604	17,026,439
37. Fish canning and curing .....	629	17,043,212	4,128	2,344,164	10,263,631	16,684,125
38. Primary iron and steel .....	52	96,323,629	4,847	6,131,057	6,289,483	16,197,526
39. Planing mills .....	659	37,434,946	6,290	5,514,957	8,073,672	15,500,259
40. Paints, pigments and varnishes .....	71	23,978,852	2,658	3,858,813	6,295,860	14,912,383
TOTAL, FORTY LEADING INDUSTRIES .....	19,019	3,843,069,485	379,019	383,939,332	770,591,353	1,682,095,045
TOTAL, ALL INDUSTRIES .....	24,544	4,741,255,610	495,398	505,883,323	955,968,683	2,126,194,555
PERCENTAGE OF FORTY LEADING INDUSTRIES TO ALL INDUSTRIES .....	77.5	81.1	76.5	75.0	80.6	79.1



Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1933. - (Component Material Classification).

Name of Industry	Estab- lish- ments No.	Capital Invested \$	Employees on Salaries				Employees on Wages		Cost of Materials \$	Value of Products	
			Male No.	Female No.	Salaries \$	Male No.	Female No.	Wages \$		Net \$	Gross \$
1. - Vegetable Products . . . . .	5,542	509,533,005	11,890	2,970	22,974,383	39,838	18,397	43,163,104	224,243,088	197,606,784	421,849,872
Biscuits, confectionery, cocoa, etc. . . . .	236	41,410,901	1,627	470	3,441,034	3,496	4,298	4,673,200	15,725,547	19,450,547	35,176,094
Bread and other bakery products . . . . .	3,073	45,091,801	2,368	583	2,656,264	12,771	1,755	12,243,948	23,427,623	27,216,539	51,244,162
Breweries . . . . .	74	57,337,361	782	129	2,129,795	3,199	46	3,179,732	9,398,599	21,542,296	30,940,895
Coffee, tea and spices . . . . .	67	14,004,437	574	172	1,434,468	642	496	941,802	14,041,869	5,877,775	19,919,644
Distilleries . . . . .	17	53,316,284	262	48	742,455	730	354	873,378	3,655,641	6,807,458	10,463,099
Flour and feed mills . . . . .	1,328	59,054,505	1,698	179	2,043,470	3,439	154	3,064,667	63,297,848	20,024,251	83,322,093
Foods, breakfast . . . . .	14	4,566,437	65	32	179,713	287	154	443,012	2,258,321	5,023,865	7,282,186
Foods, stock and poultry . . . . .	44	3,753,530	182	44	345,129	277	19	264,391	2,251,515	1,259,946	3,511,461
Foods, miscellaneous . . . . .	101	9,505,525	393	159	877,856	530	419	778,638	5,647,072	5,923,257	11,570,329
Fruit and vegetable preparations . . . . .	273	37,286,824	606	191	1,176,392	2,548	3,185	2,666,183	16,461,755	13,519,645	29,981,400
Ice cream cones . . . . .	9	557,378	11	6	21,323	37	14	29,771	65,047	175,540	240,587
Linseed oil and oil cake . . . . .	10	3,022,676	38	6	98,993	157	-	123,766	1,542,119	544,438	2,086,557
Macaroni, vermicelli, etc. . . . .	16	2,141,055	49	15	101,155	100	88	126,791	650,913	572,614	1,223,527
Malt and malt products . . . . .	12	7,509,803	65	8	160,031	198	1	284,208	2,616,342	2,221,781	4,838,123
Rice mills . . . . .	6	795,438	21	2	52,144	61	-	59,618	880,435	323,129	1,203,564
Rubber goods, including footwear . . . . .	45	65,314,472	1,171	370	2,616,747	5,822	2,395	6,293,377	12,914,680	28,596,876	41,511,556
Starch and glucose . . . . .	4	7,004,202	76	34	249,491	403	13	412,809	1,797,514	1,807,216	3,604,730
Sugar refineries . . . . .	8	35,758,074	249	64	934,333	1,699	80	2,114,484	22,846,473	14,343,487	37,189,960
Tobacco, cigars and cigarettes . . . . .	127	50,218,586	1,443	420	3,210,108	2,220	4,158	3,542,051	17,974,715	18,809,947	36,784,662
Tobacco processing and packing . . . . .	22	4,132,884	105	10	233,969	874	737	764,364	5,460,521	1,648,500	7,109,021
Wine . . . . .	56	7,750,832	105	27	269,513	288	31	282,914	1,328,539	1,317,677	2,646,216
2. - Animal Products . . . . .	4,496	201,993,642	8,211	1,907	13,365,486	33,465	9,528	33,087,702	179,429,948	91,638,262	271,068,210
Animal oils and fats . . . . .	4	102,558	3	-	4,611	15	-	13,004	21,631	57,879	79,510
Belting leather . . . . .	13	809,231	43	11	81,123	67	-	57,518	238,497	212,354	450,851





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1933. - (Component Material Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested		Employees on Salaries				Employees on Wages				Cost of Materials	Value of Products	
		\$	No.	Male		Female		Male		Female		\$	Net	Gross
				No.	No.	No.	No.	No.	No.	No.	No.			
2. - Animal Products - (Concl'd.)														
Boot and shoe findings, leather .....	16	1,238,989	37		6		76,164	250		55		477,948	588,662	1,066,610
Boots and shoes, leather ...	205	22,963,783	980		454		2,315,648	8,076		5,016		16,347,068	15,944,024	32,291,092
Butter and cheese .....	2,693	57,849,628	3,435		685		3,995,891	8,770		255		54,482,522	25,913,365	80,395,887
Condensed milk .....	23	4,838,023	104		38		229,256	500		27		4,088,053	2,734,371	6,822,424
Dairy products, other .....	23	2,960,379	64		18		128,945	244		10		678,498	1,074,306	1,752,804
Fish curing and packing .....	620	15,532,775	429		44		558,500	2,682		909		10,960,289	6,420,034	17,380,323
Fur dressing and dyeing .....	13	1,114,267	72		8		174,977	567		122		296,242	1,152,990	1,449,232
Fur goods .....	322	9,392,890	482		157		961,503	1,184		906		6,862,837	4,688,858	11,551,695
Gloves and mittens, leather.	44	1,994,041	120		46		204,864	528		822		1,402,855	1,388,763	2,791,618
Hair goods, animal and human	5	90,789	2		2		6,072	14		3		23,408	26,072	49,480
Leather tanneries .....	88	22,307,727	272		63		746,657	2,894		93		9,753,096	6,722,287	16,475,383
Miscellaneous leather goods.	231	5,234,694	369		84		478,957	1,001		439		2,235,329	2,225,486	4,460,815
Sausage and sausage casings.	61	973,470	61		12		85,361	232		40		1,094,131	590,218	1,684,349
Slaughtering and meat packing	135	54,590,398	1,738		279		3,316,957	6,441		831		70,467,544	21,898,593	92,366,137
3. - Textiles and Textile Products .....	2,151	322,312,247	7,496		3,523		18,180,261	40,972		54,244		144,584,507	150,130,741	294,715,248
Awnings, tents and sails ...	60	1,563,084	106		30		172,892	177		121		633,532	617,531	1,251,063
Bags, cotton and jute .....	21	5,236,456	97		41		293,802	289		475		5,764,596	1,717,246	7,481,842
Batting and wadding .....	5	1,218,962	13		5		52,364	79		19		265,356	263,630	528,986
Carpets, mats and rugs .....	25	6,714,521	140		37		295,947	490		287		833,284	1,362,565	2,195,849
Clothing, factory, men's ...	163	14,954,100	799		311		1,576,249	3,460		3,399		15,643,813	10,978,876	26,622,689
Clothing, factory, women's.	540	18,132,022	1,381		741		3,157,485	3,742		9,400		25,885,073	18,650,750	44,535,823
Clothing contractors, men's and women's .....	101	406,115	156		18		164,168	658		987		117,328	1,120,500	1,237,828
Cordage, rope and twine .....	11	9,839,262	81		27		263,392	614		293		2,451,395	2,289,217	4,740,612
Corsets .....	20	3,740,176	139		152		497,065	137		1,070		1,881,362	2,233,013	4,114,375
Cotton and wool waste .....	15	848,975	27		14		76,590	110		68		741,274	541,171	1,282,445
Cotton textiles, n.e.s. ....	41	1,695,476	71		32		158,397	245		456		1,230,342	944,935	2,175,277
Cotton thread .....	6	3,434,383	74		24		186,311	163		390		1,096,062	2,198,382	3,294,444
Cotton yarn and cloth .....	37	75,422,396	429		137		1,107,747	9,578		5,951		26,456,914	24,722,714	51,179,628
Dyeing and finishing of textiles	22	5,627,806	98		34		284,437	594		138		1,204,498	1,970,551	3,175,049





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1933. - (Component Material Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested		Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products	
		No.	No.	Female	Male	Female	Male	No.	Net	Gross
3. - Textiles and Textile Products - (Concl'd.)	No.			No.		No.		\$	\$	\$
Dyeing, cleaning and laundry work .....	411	876	473		3,635	5,544	6,034,538	1,399,646	13,840,335	15,239,981
Flax, dressed .....	6	1	-		40	-	9,919	17,819	21,061	38,880
Furnishing goods, men's .....	163	564	265		1,004	6,356	3,532,350	10,784,990	8,297,581	19,082,571
Gloves and mittens, fabric ..	8	14	5		53	140	93,264	201,177	186,270	387,447
Hats and caps .....	149	328	150		1,292	1,580	2,057,854	3,900,160	4,886,482	8,786,642
Hosiery and knitted goods ..	170	855	576		5,096	10,632	10,093,036	19,473,785	21,523,425	40,997,210
Linen goods .....	-	-	-		-	-	-	-	-	-
Miscellaneous textiles, n.e.s.	12	228	38		774	135	705,543	2,364,550	3,212,863	5,577,413
Oiled and waterproof clothing	15	30	11		86	110	123,536	364,688	279,442	644,130
Silk and artificial silk .....	29	467	213		4,026	3,095	4,829,649	7,795,542	14,959,427	22,754,969
Woollen cloth .....	62	336	111		2,876	2,219	3,581,027	8,500,500	7,392,614	15,893,114
Woollen goods, n.e.s. ....	24	77	28		664	205	706,676	1,636,034	2,518,163	4,154,197
Woollen yarn .....	33	103	47		1,069	1,143	1,411,420	3,834,122	3,282,781	7,116,903
All other industries .....	2	6	3		21	31	29,778	106,665	119,216	225,881
4. - Wood and Paper Products ..	7,917	18,498	4,473		73,806	8,694	67,472,996	134,979,700	207,175,377	342,155,077
Beekeepers' and poultry-men's supplies .....	8	13	4		22	-	12,875	18,797	105,717	124,514
Blue printing .....	18	21	6		48	5	29,251	40,730	85,193	125,923
Boat building .....	111	147	10		268	-	167,730	158,784	458,543	617,327
Boxes and bags, paper .....	132	609	223		2,046	2,036	2,883,216	9,568,160	8,232,170	17,800,330
Boxes, wooden .....	138	290	46		2,279	234	1,372,268	2,393,054	2,961,804	5,354,858
Carriages, wagons and sleighs	218	245	7		239	1	142,253	174,332	551,950	726,282
Carriage and wagon materials	4	10	3		63	-	51,648	120,473	128,161	248,634
Clothes pins .....	3	6	2		178	42	90,423	67,937	177,029	244,966
Coffins and caskets .....	43	122	27		542	112	530,235	806,023	1,543,390	2,349,413
Cooperage .....	89	112	10		489	-	353,357	1,256,152	953,380	2,209,532
Engraving, stereotyping and electrotyping .....	88	404	135		1,246	339	1,934,563	988,964	4,183,287	5,172,251
Excelsior .....	11	16	5		47	13	33,986	49,908	86,570	136,478
Flooring, hardwood .....	24	110	21		899	8	514,431	1,531,928	1,106,716	2,638,642



Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1933. - (Component Material Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested	Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products		
			Salaries		Male	Female		Wages	Net	Gross
			Male	Female						
	No.	\$	No.	No.	No.	No.	\$	\$	\$	
4. - Wood and Paper Products - (Concl'd.)										
Furniture .....	383	27,089,361	990	225	6,222	285	3,896,150	5,267,902	9,749,040	15,016,942
Lasts, trees and shoe findings .....	12	1,196,819	40	19	331	212	305,550	304,183	896,710	1,200,893
Lithographing .....	44	12,340,657	340	170	1,331	477	1,919,871	2,801,571	5,010,503	7,812,074
Miscellaneous paper products .	95	12,503,583	413	196	1,013	647	1,285,549	5,458,435	5,303,933	10,762,368
Miscellaneous wooden products.	168	5,244,924	234	41	726	72	499,496	977,580	1,336,662	2,314,242
Planing mills, sash and door factories .....	668	32,232,967	1,150	155	4,004	33	2,625,095	5,867,395	6,051,950	11,919,345
Printing and bookbinding .....	1,122	38,860,669	2,423	676	6,065	2,107	7,470,602	9,694,048	18,516,028	28,210,076
Printing and publishing .....	768	58,234,531	5,435	1,786	7,598	1,145	10,870,250	9,791,679	41,020,239	50,811,968
Pulp and paper .....	95	559,265,544	2,483	437	20,537	580	20,193,032	47,632,521	75,782,971	123,415,492
Roofing paper, wall board, etc.	12	3,920,706	161	45	310	1	260,367	1,616,075	1,970,759	3,586,834
Sawmills .....	3,517	74,304,090	2,364	133	15,184	98	8,415,930	22,870,710	16,587,347	39,438,057
Sporting goods .....	33	1,413,332	63	27	335	115	282,028	440,362	656,207	1,096,569
Trade composition .....	35	943,279	58	11	194	11	228,250	42,953	540,094	583,047
Woodenware .....	19	836,730	43	10	349	22	202,309	193,054	435,904	628,958
Wood turning .....	39	1,564,861	66	12	447	26	283,693	437,852	600,079	1,087,931
All other industries .....	20	10,845,421	130	31	794	73	618,588	4,358,138	2,162,991	6,521,129
5. - Iron and Its Products .....	1,291	580,760,379	9,394	2,401	56,918	2,234	48,316,089	97,705,853	114,256,055	211,961,908
Agricultural implements .....	40	63,903,380	482	133	2,382	42	1,952,621	2,215,031	3,111,385	5,326,416
Automobiles .....	22	40,000,559	1,214	429	6,339	152	5,251,105	28,730,750	14,154,893	42,885,643
Automobile supplies .....	83	16,975,182	414	166	2,824	372	2,583,485	6,034,155	6,967,030	13,001,185
Bicycles .....	3	2,035,493	6	4	213	13	227,481	276,816	435,808	712,624
Boilers, tanks and engines ...	50	13,331,336	341	65	1,161	5	1,034,026	1,553,690	2,891,566	4,445,256
Bridge and structural steel work .....	18	22,905,185	391	56	986	-	927,736	1,806,451	3,809,979	5,616,430
Castings and forgings .....	327	72,810,073	1,374	382	9,228	127	6,867,448	8,053,094	16,144,253	24,197,347
Hardware and tools .....	145	24,701,400	497	183	2,996	580	2,497,003	3,003,383	6,758,583	9,761,966
Iron and steel products, n.e.s.	83	5,456,836	241	47	675	14	516,465	910,818	1,550,755	2,461,573
Machinery .....	189	53,167,815	1,419	386	4,445	67	3,703,796	6,787,924	12,125,002	18,912,926
Primary iron and steel .....	50	96,444,846	484	85	4,616	15	4,860,150	7,598,931	10,893,618	18,492,549
Railway rolling stock .....	37	86,509,047	1,184	63	14,894	31	12,140,363	13,574,592	16,097,673	29,672,265





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1933. - (Component Material Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested	Employees on Salaries			Employees on Wages			Cost of Materials	Value of Products		
			Male		Female	Male		Female		Wages	Net	Gross
			No.	No.	No.	No.						
	No	\$			\$			\$		\$	\$	
5. - Iron and Its Products - (Concl'd.)												
Sheet metal products .....	172	53,851,889	1,001	298	2,093,714	4,061	640	3,940,069	13,828,178	12,135,650	25,963,828	
Wire and wire goods .....	72	28,667,338	346	104	864,072	2,098	176	1,814,341	3,332,040	7,179,860	10,511,900	
6. - Non-Ferrous Metal Products ....	478	266,266,443	4,421	1,352	10,413,057	16,744	2,756	17,685,969	71,990,608	92,774,996	164,765,604	
Aluminum products .....	15	3,654,541	107	35	223,302	441	55	447,965	1,458,444	1,319,830	2,778,274	
Brass and copper products .....	123	22,167,121	685	148	1,354,604	2,356	206	2,062,219	7,409,636	5,740,923	13,150,559	
Electrical apparatus and supplies	174	80,844,131	2,567	871	6,213,638	6,403	1,926	6,214,792	14,504,269	22,503,240	37,012,509	
Jewelry and silverware .....	103	7,550,158	300	152	749,714	1,362	393	1,431,438	2,693,288	3,674,610	6,367,898	
Lead, tin and zinc products .....	29	4,842,077	115	50	301,525	385	130	463,550	2,501,790	1,734,961	4,236,751	
Miscellaneous non-ferrous metals.	19	1,123,131	51	13	108,894	122	40	124,204	180,618	477,698	658,316	
Non-ferrous metal smelting and refining .....	15	146,085,284	596	83	1,461,380	5,675	6	6,941,801	43,242,563	57,518,734	100,561,297	
7. - Non-Metallic Mineral Products .	1,144	307,996,274	3,100	662	6,282,123	15,112	422	15,398,140	71,713,986	70,077,465	141,791,451	
Abrasive products .....	14	5,176,927	111	24	266,755	427	-	438,974	1,338,879	2,211,577	3,550,456	
Aerated and mineral waters .....	374	12,856,731	572	101	912,574	1,530	68	1,485,238	2,636,285	7,822,460	10,465,745	
Asbestos products .....	11	1,777,975	39	10	96,081	157	16	112,499	331,062	426,564	757,626	
Cement .....	-	-	-	-	-	-	-	-	-	-	-	
Cement products .....	83	3,545,805	87	10	138,096	359	4	254,845	625,525	971,473	1,596,998	
Clay products, from domestic clay	157	24,211,880	207	32	440,966	1,073	-	660,927	-	2,262,835	2,262,835	
Clay products, from imported clay	18	4,220,768	66	13	157,809	387	70	313,933	288,379	916,673	1,205,052	
Coke and gas products .....	42	94,225,476	670	236	1,437,923	2,616	4	3,168,385	12,729,075	17,207,900	23,936,975	
Glass products .....	66	13,207,596	234	68	544,640	2,052	225	2,041,730	2,950,309	4,880,486	7,830,795	
Lime .....	60	8,920,042	57	8	85,861	631	-	394,972	-	2,432,306	2,432,306	
Miscellaneous non-metallic mineral products .....	33	7,296,350	67	16	158,292	314	19	268,593	897,258	1,831,314	2,728,572	
Petroleum products .....	47	68,193,854	590	81	1,325,785	3,943	14	4,816,160	49,187,757	21,080,508	70,268,265	
Salt .....	9	3,708,358	46	17	144,454	337	-	328,966	-	1,939,874	1,939,874	
Sand-lime brick .....	6	789,962	13	-	24,414	54	-	38,170	37,934	78,433	116,367	
Stone, monumental and ornamental.	212	5,461,171	261	31	387,793	527	2	453,632	691,523	1,471,127	2,162,650	
All other industries .....	12	54,403,379	80	5	160,680	655	-	621,066	-	4,536,935	4,536,935	





Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1933. - (Component Materials Classification). - (Cont'd.)

Name of Industry	Estab-lish-ments	Capital Invested		Employees on Salaries		Employees on Wages		Cost of Materials	Value of Products	
		No.	\$	Male No.	Female No.	Male No.	Female No.		Net \$	Gross \$
8. - Chemicals and Chemical Products.	No.	696	153,900,930	3,937	1,411	7,693	2,356	34,271,854	58,548,907	92,820,761
Acids, alkalis and salts .....	15		44,239,418	327	39	780,267	8,819,840	2,463,958	10,249,087	12,713,045
Adhesives .....	16		2,271,071	47	10	121,695	1,535,158	463,199	678,562	1,141,761
Coal tar distillation .....	10		5,031,890	47	8	143,633	128,806	1,076,277	596,022	1,672,299
Explosives, ammunition and fire-works .....	8		6,583,517	156	16	402,553	858,109	2,360,404	5,018,328	7,378,732
Fertilizers .....	20		15,918,787	142	24	298,582	478,065	2,796,726	1,489,325	4,286,051
Gases, compressed .....	31		4,024,437	159	64	384,798	228,480	371,204	2,119,011	2,490,215
Inks, printing and writing .....	28		2,398,155	135	42	390,806	252,257	758,700	1,347,736	2,106,436
Medicinal and pharmaceutical preparations .....	158		17,402,705	840	449	2,397,119	1,453,809	5,774,391	11,289,458	17,063,849
Miscellaneous chemical products ..	105		11,737,860	364	125	777,128	741,264	2,654,632	4,227,527	6,882,159
Paints, pigments and varnishes ...	78		22,438,251	880	251	2,102,874	1,362,073	6,153,836	8,742,857	14,896,693
Polishes and dressings .....	48		1,861,062	108	49	237,885	156,986	720,913	1,058,930	1,779,843
Soaps and washing compounds .....	93		13,139,674	526	148	1,291,792	1,010,523	6,494,999	7,768,235	14,263,234
Toilet preparations .....	80		4,817,533	196	186	573,452	324,772	1,728,317	3,749,007	5,477,324
Wood distillation .....	6		2,036,570	10	-	16,205	97,228	454,298	214,822	669,120
9. - Miscellaneous Industries .....	476		66,769,049	1,804	535	3,837,676	6,505,024	10,269,030	17,918,605	28,187,635
Aircraft .....	5		1,249,792	39	2	70,096	98,957	97,677	247,540	345,217
Artificial flowers and feathers ..	9		159,781	14	17	25,508	32,864	47,672	87,710	135,382
Automobile accessories, fabric ...	9		267,133	11	4	22,151	38,807	59,805	74,753	134,558
Brooms, brushes and mops .....	81		3,724,636	214	76	380,909	653,074	1,089,807	1,623,969	2,713,776
Buttons .....	18		1,326,745	68	16	140,199	294,362	389,858	745,766	1,135,624
Candles .....	12		759,960	32	10	73,650	41,385	154,553	210,284	364,837
Fountain pens and pencils .....	10		2,041,297	91	32	193,004	221,388	633,843	818,137	1,451,980
Ice, artificial .....	43		5,093,205	77	15	144,569	276,998	51,325	1,451,915	1,503,240
Jewel cases and silverware cabinets	4		137,624	13	11	24,583	30,249	52,069	89,592	141,661
Mattresses and springs .....	60		5,533,309	217	58	527,378	966,665	2,646,963	2,213,631	4,860,594
Motion pictures .....	9		964,081	121	34	241,538	22,646	418,566	588,450	1,007,016
Musical instruments .....	18		4,758,053	129	34	295,405	413,145	781,151	834,609	1,615,760
Novelties, advertising, and other.	11		187,230	15	6	34,232	47,299	103,185	126,502	229,687
Refrigerators, other than electric or gas .....	7		756,274	31	8	41,606	64,247	124,303	153,890	278,193



ADVANCE REPORT ON THE MANUFACTURING INDUSTRIES OF CANADA, 1933.

Table 6. - Principal Statistics of the Manufacturing Industries of Canada, 1933. - (Component Material Classification). - (Concl'd.)

Name of Industry	Estab-lish-ments	Capital Invested	Employees on Salaries				Employees on Wages				Cost of Materials	Value of Products	
			Male		Female		Male		Female			Net	Gross
			No.	No.	No.	No.	No.	No.					
9. - Miscellaneous Industries - (Concl'd.)		\$									\$	\$	
Regalia and society emblems .....	10	181,217	13	7		9		20	21,008	22,675	60,435	83,110	
Scientific and professional equipment .....	27	3,352,615	135	84		389		201	556,481	1,580,612	2,921,369	4,501,981	
Shipbuilding and repairs .....	38	32,622,232	332	37		1,880		5	1,964,510	989,661	3,532,206	4,521,867	
Signs, electric ...	18	1,151,844	69	15		213		5	234,935	184,962	593,521	778,483	
Stamps and stencils, rubber and metal .	31	591,710	63	14		154		8	146,734	59,381	355,282	414,663	
Statuary, art goods and church supplies	27	562,236	52	26		118		124	162,278	276,032	346,274	622,306	
Store display accessories .....	3	117,711	5	3		24		3	20,435	10,562	36,788	47,350	
Toys and toy equipment .....	12	234,501	20	6		83		43	67,364	114,460	289,434	403,894	
Typewriter supplies	6	719,903	31	16		53		24	85,174	232,759	391,095	623,854	
Umbrellas .....	5	151,181	8	3		17		28	32,643	121,035	92,297	213,332	
All other industries	3	124,779	4	1		11		4	11,376	26,114	33,156	59,270	
10. - Central Electric Stations .....	1,041	1,386,532,055	5,158	1,351		8,208		-	10,737,351	-	117,532,081	117,532,081	
TOTAL .....	25,232	4,689,373,704	73,909	20,585		299,109		100,300	313,701,767	969,188,574	1,117,659,273	2,086,847,847	















BINDING SECT. NOV 10 1983



